

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083699.D
 Acq On : 06 Sep 2024 16:24
 Operator : JC\MD
 Sample : VV0906WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBL02

Quant Time: Sep 06 23:48:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

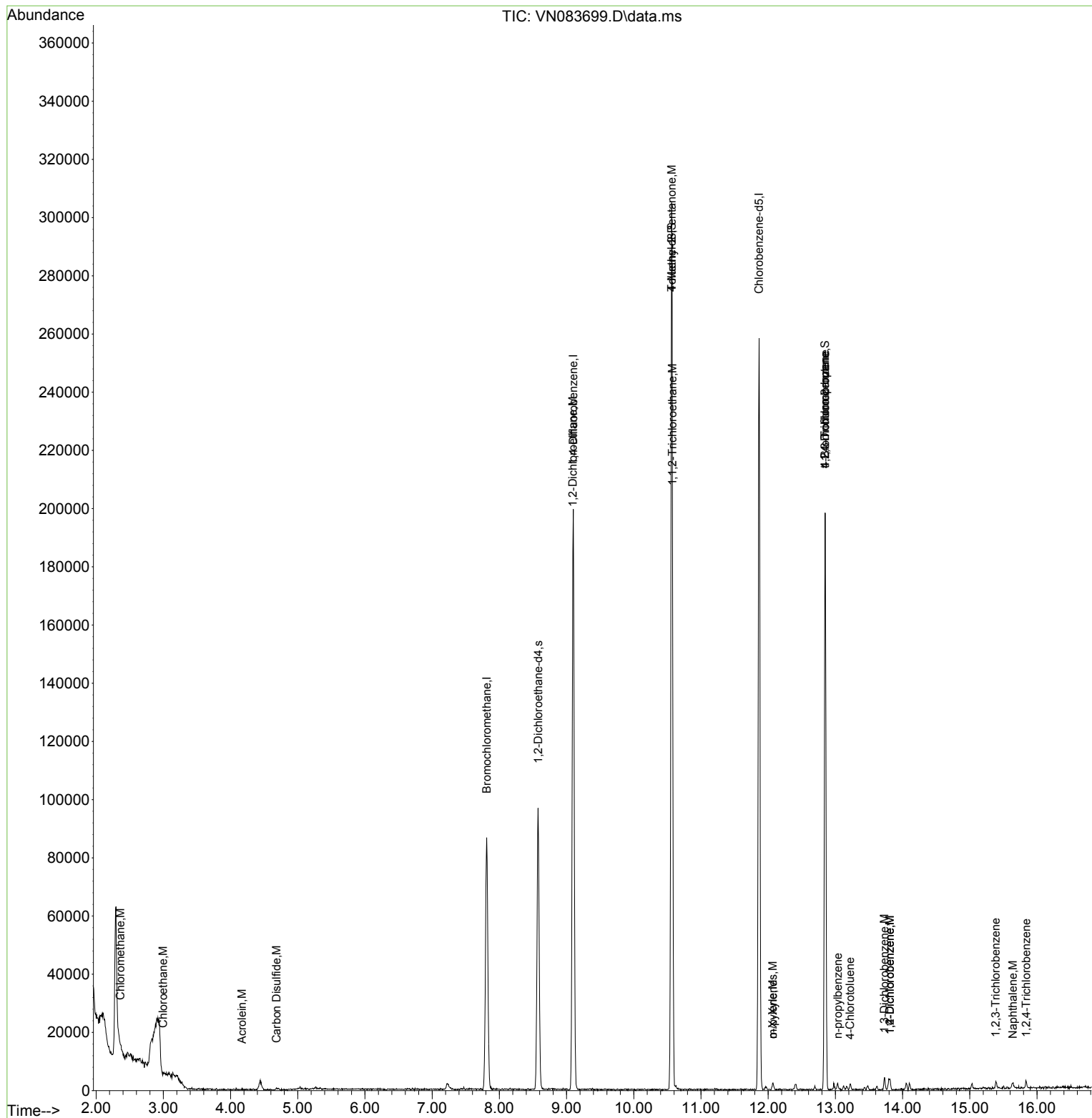
Internal Standards						
1) Bromochloromethane	7.812	128	29066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165560	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	141967	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	81933	30.838	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.800%			
60) 4-Bromofluorobenzene	12.847	95	65267	26.675	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 88.900%			
63) Toluene-d8	10.565	98	199729	30.384	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	620	0.307	ug/l #	43
6) Chloroethane	2.995	64	336	0.241	ug/l	94
13) Acrolein	4.171	56	81	0.255	ug/l #	15
16) Carbon Disulfide	4.683	76	1101	0.216	ug/l #	78
36) 1,2-Dichloroethane	9.094	62	6650	2.245	ug/l #	72
50) 1,1,2-Trichloroethane	10.576	97	6134	3.477	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	985	0.438	ug/l #	1
67) m/p-Xylenes	12.070	106	729	0.214	ug/l #	51
68) o-Xylene	12.070	106	729	0.221	ug/l	60
72) 1,2,3-Trichloropropane	12.847	75	36849	17.647	ug/l	1
74) n-propylbenzene	13.035	91	2223	0.218	ug/l	80
77) t-1,4-Dichloro-2-butene	12.847	75	36849	41.751	ug/l #	12
78) 4-Chlorotoluene	13.217	91	1951	0.302	ug/l	96
83) 1,3-Dichlorobenzene	13.729	146	1383	0.359	ug/l	88
84) 1,4-Dichlorobenzene	13.811	146	1584	0.411	ug/l	79
87) 1,2-Dichlorobenzene	13.811	146	1584	0.423	ug/l	82
89) 1,2,4-Trichlorobenzene	15.841	180	809	0.395	ug/l #	80
91) Naphthalene	15.641	128	2817	0.420	ug/l #	84
92) 1,2,3-Trichlorobenzene	15.388	180	1239	0.605	ug/l	89

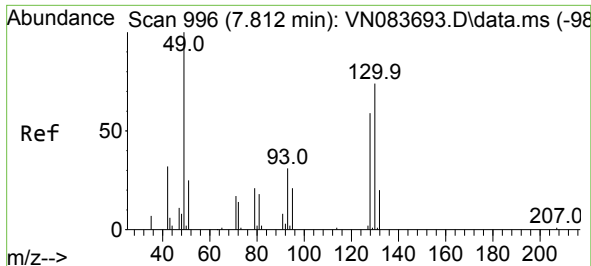
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
Data File : VN083699.D
Acq On : 06 Sep 2024 16:24
Operator : JC\MD
Sample : VV0906WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

Quant Time: Sep 06 23:48:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

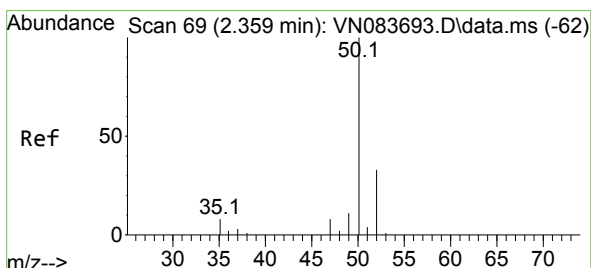
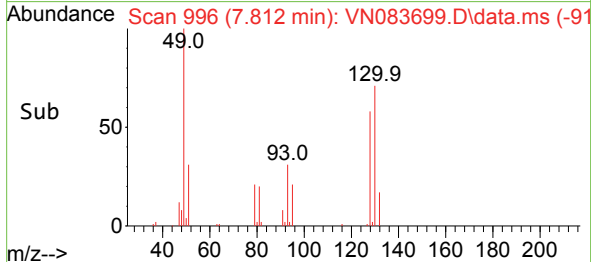
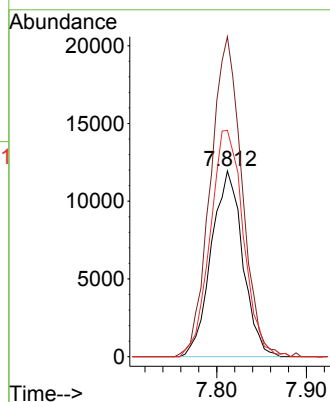
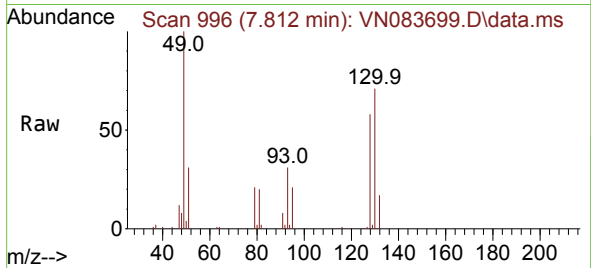




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

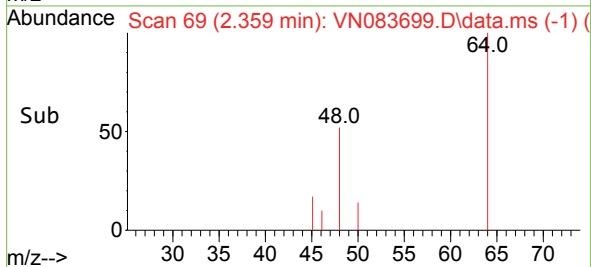
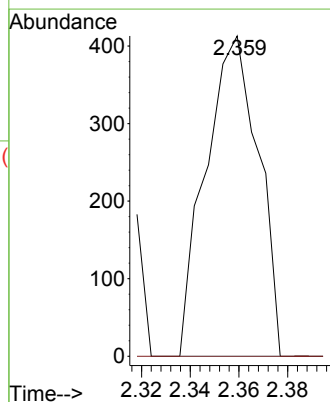
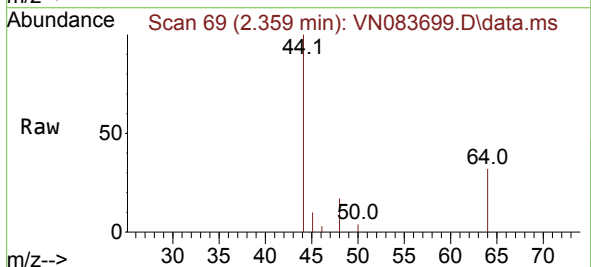
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

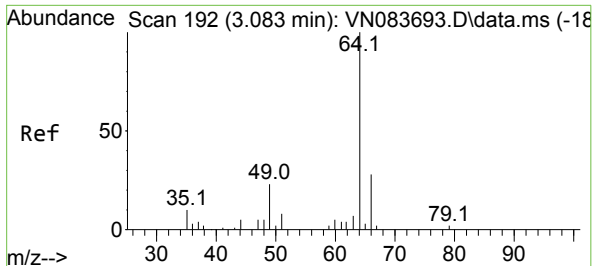
Tgt Ion:128 Resp: 29066
Ion Ratio Lower Upper
128 100
49 172.7 0.0 403.7
130 128.3 0.0 323.3



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 50 Resp: 620
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

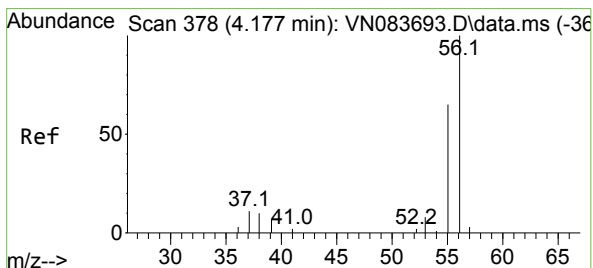
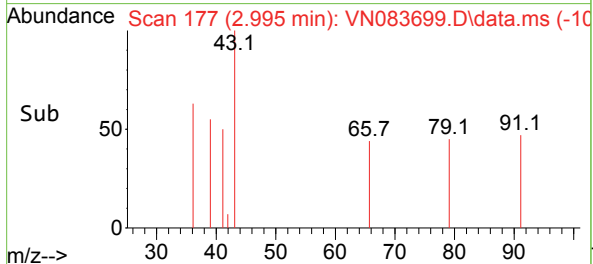
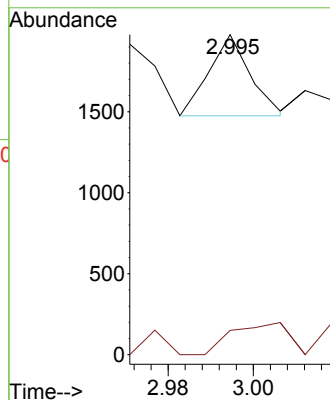
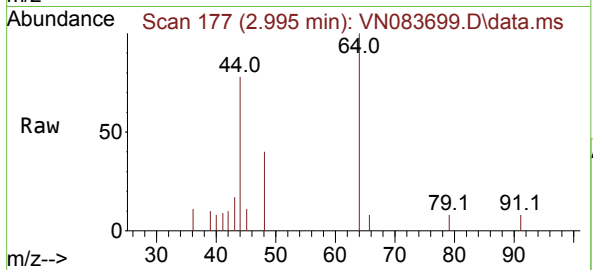




#6
Chloroethane
Concen: 0.241 ug/l
RT: 2.995 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

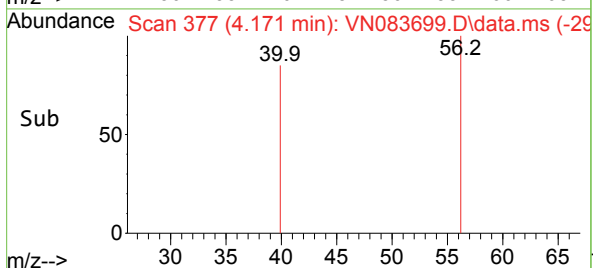
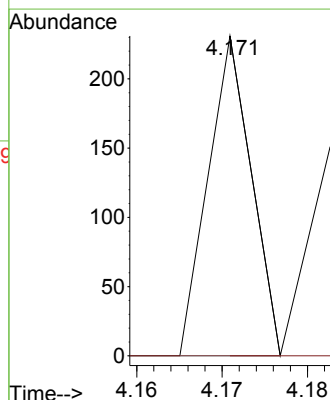
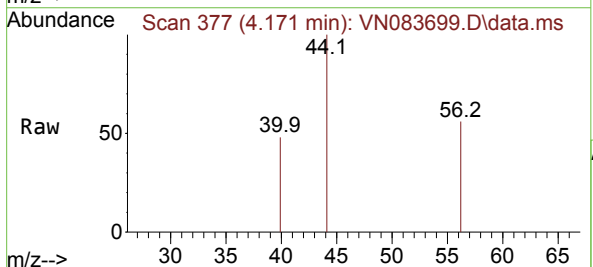
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

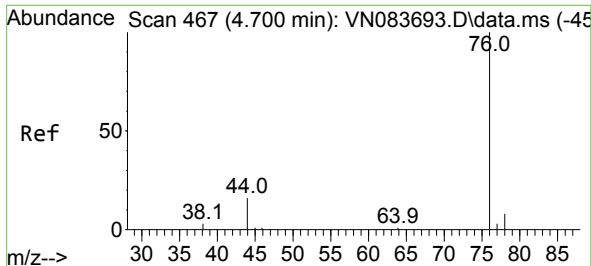
Tgt Ion: 64 Resp: 336
Ion Ratio Lower Upper
64 100
66 29.9 26.7 40.1



#13
Acrolein
Concen: 0.255 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 56 Resp: 81
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#

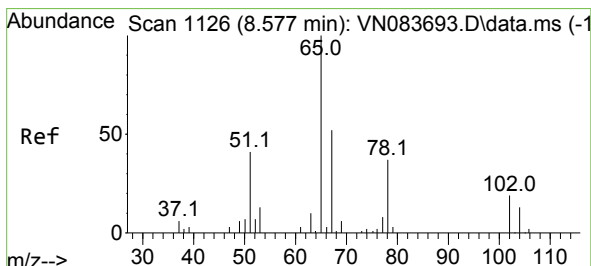
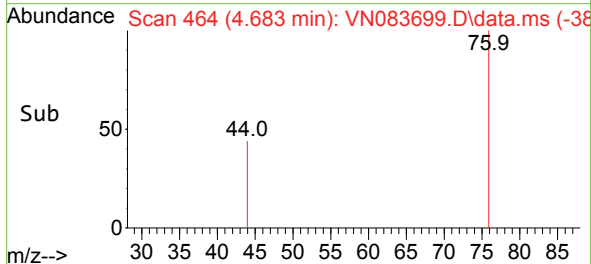
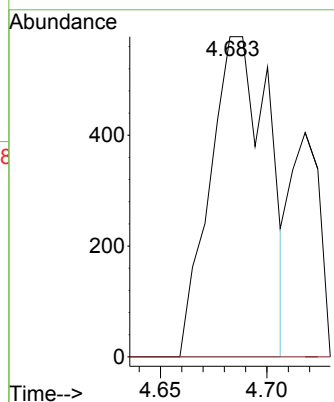
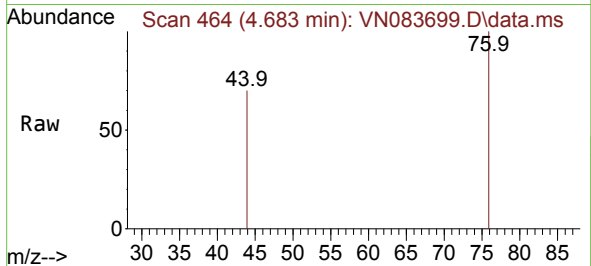




#16
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.683 min Scan# 464
Delta R.T. -0.018 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

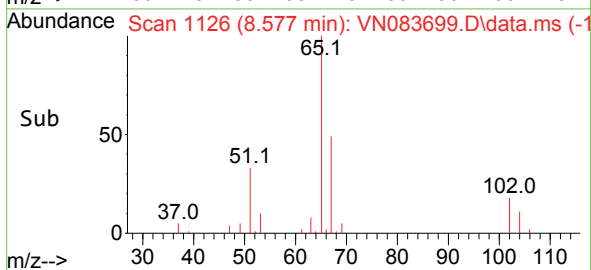
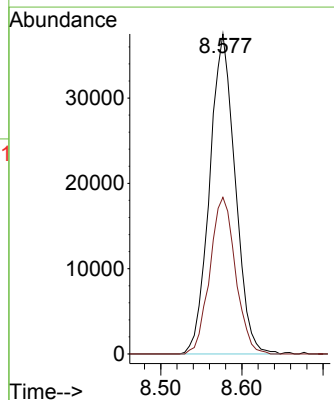
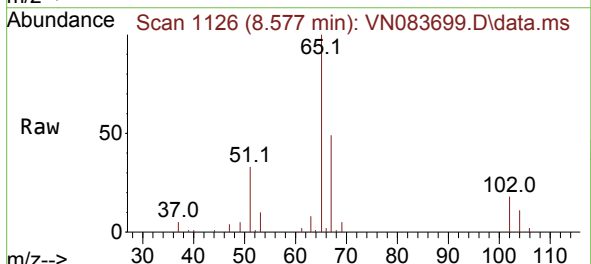
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

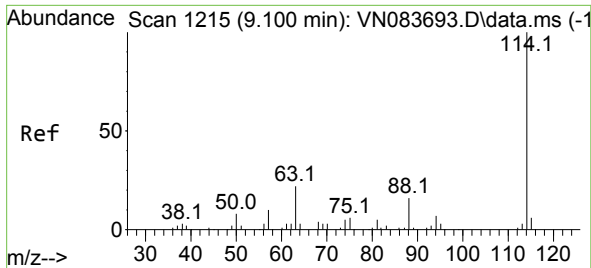
Tgt Ion: 76 Resp: 1101
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#27
1,2-Dichloroethane-d4
Concen: 30.838 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 65 Resp: 81933
Ion Ratio Lower Upper
65 100
67 49.0 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083699.D

Acq: 06 Sep 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBL02

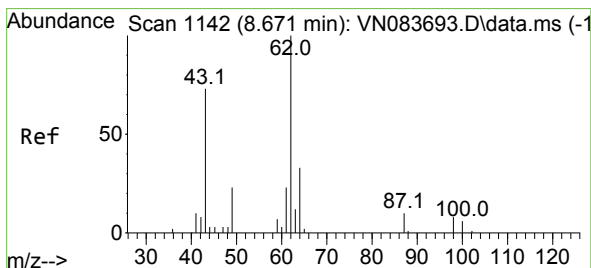
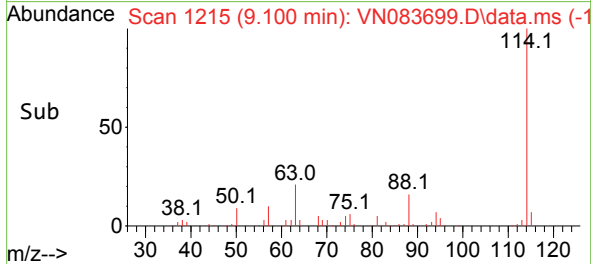
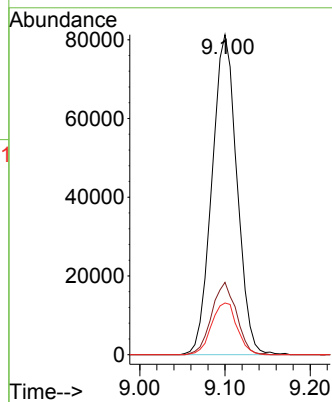
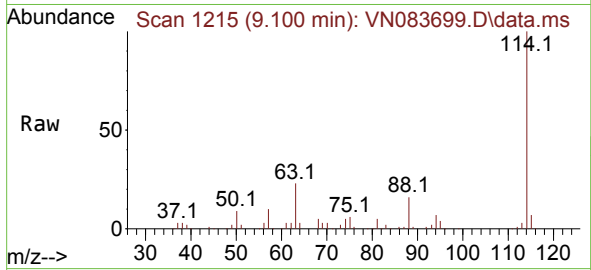
Tgt Ion:114 Resp: 165560

Ion Ratio Lower Upper

114 100

63 22.4 15.9 23.9

88 16.5 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.245 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.423 min

Lab File: VN083699.D

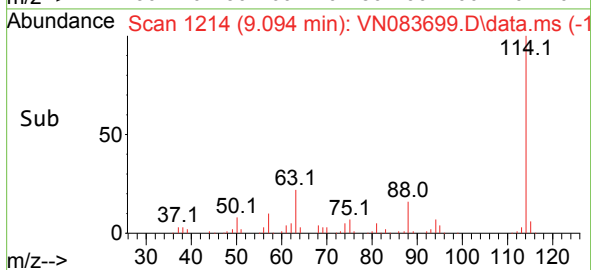
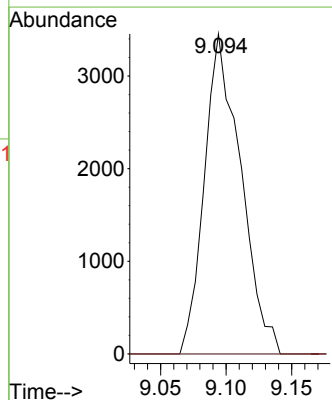
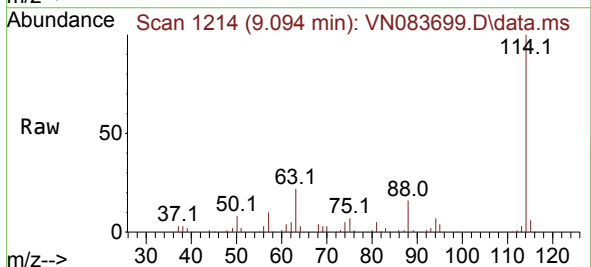
Acq: 06 Sep 2024 16:24

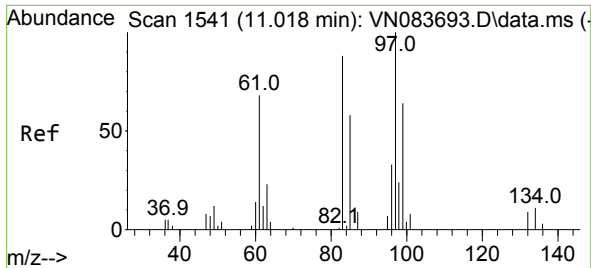
Tgt Ion: 62 Resp: 6650

Ion Ratio Lower Upper

62 100

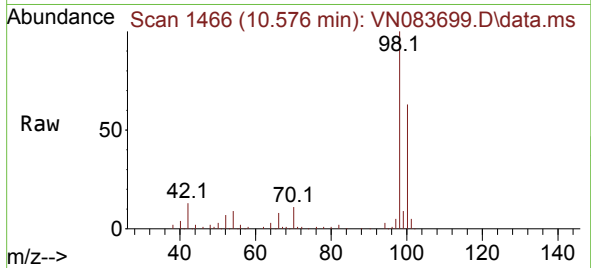
98 0.0 8.2 12.4#



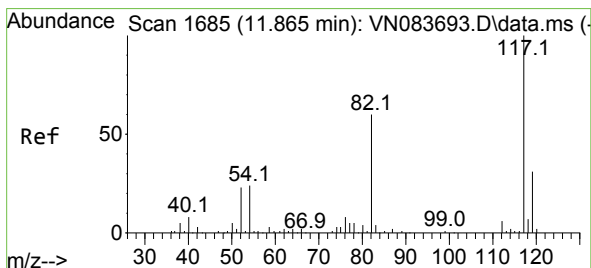
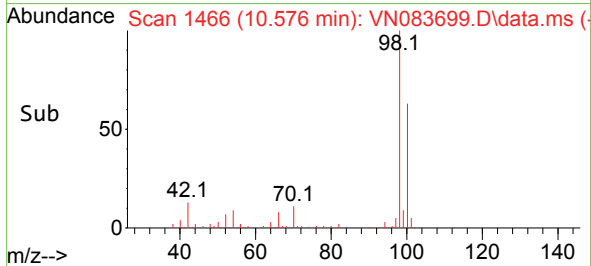
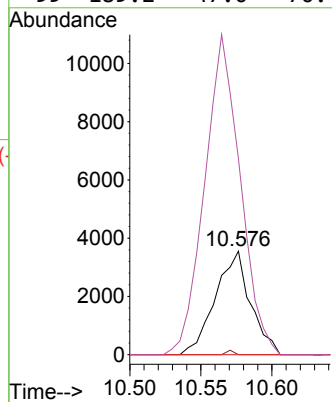


#50
1,1,2-Trichloroethane
Concen: 3.477 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

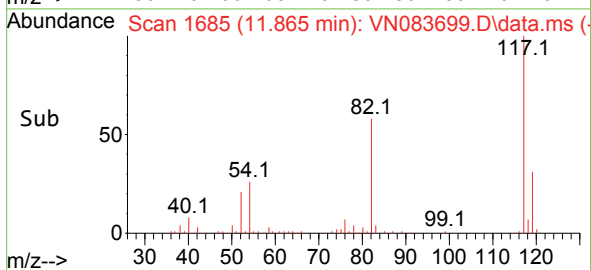
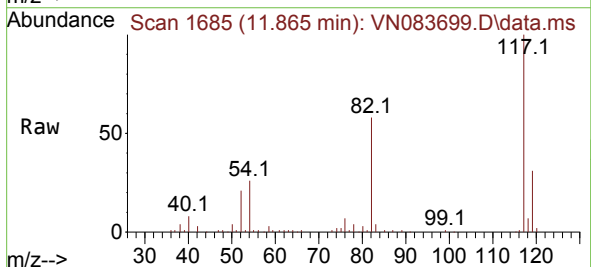
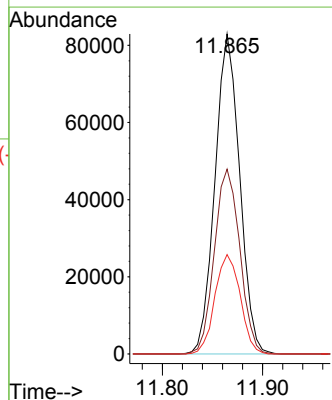


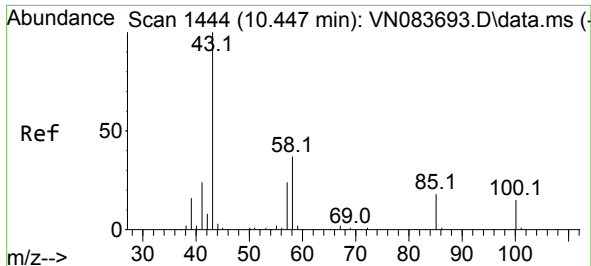
Tgt Ion:	97	Resp:	6134
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	41.8	62.6#
99	189.2	47.0	70.4#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion:	117	Resp:	141967
Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.6	69.8
119	31.9	25.4	38.2

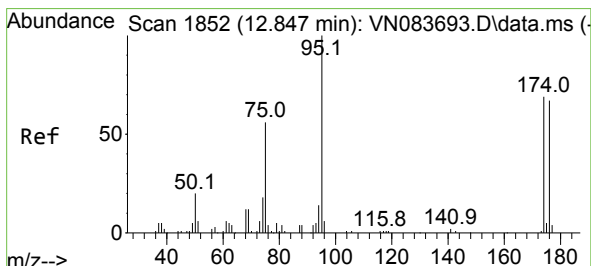
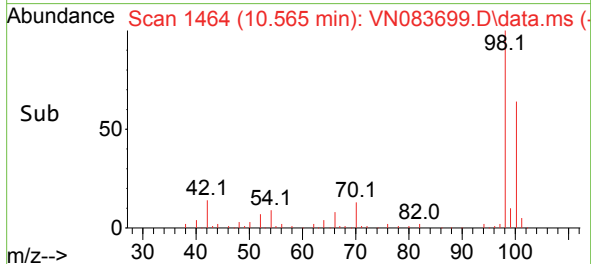
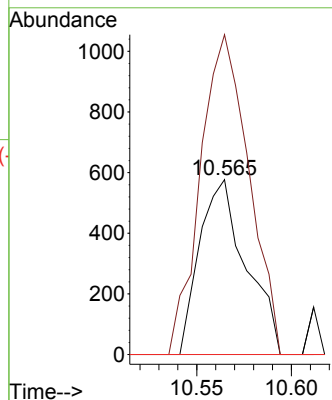
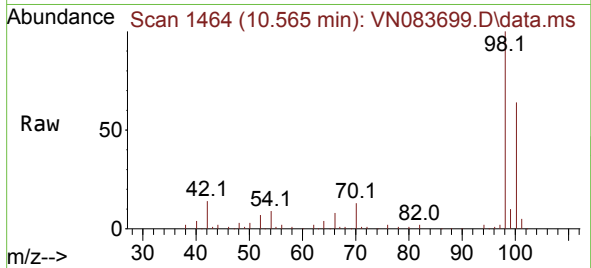




#58
4-Methyl-2-Pentanone
Concen: 0.438 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

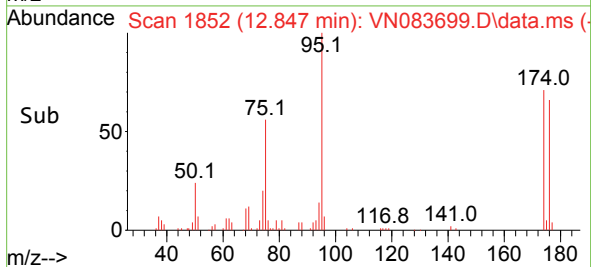
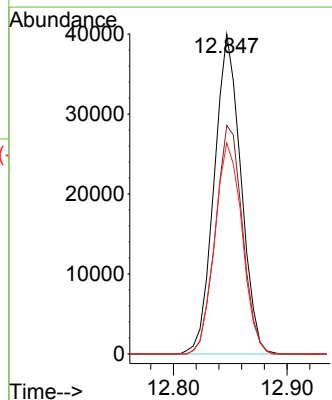
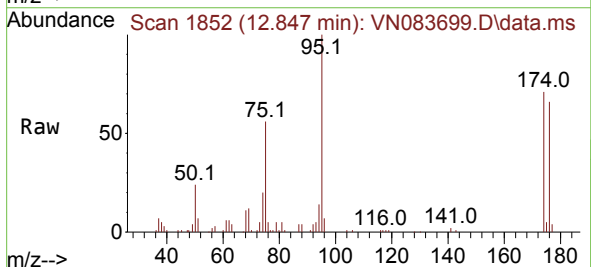
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

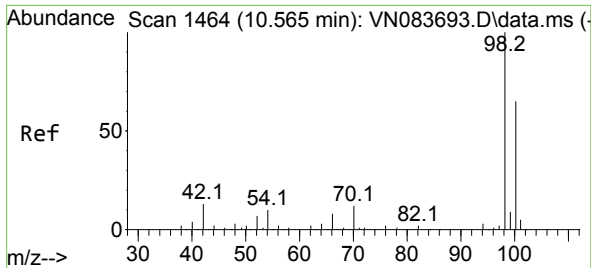
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
58 191.4 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.675 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 95 Resp: 65267
Ion Ratio Lower Upper
95 100
174 72.4 60.5 90.7
176 68.1 57.8 86.6

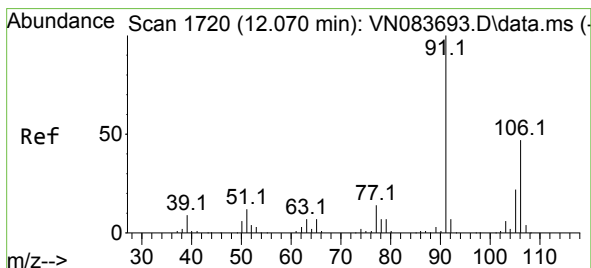
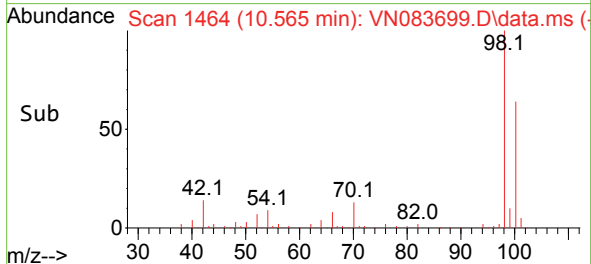
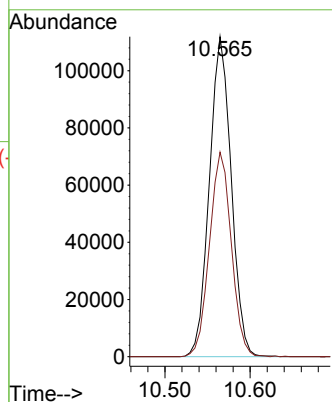
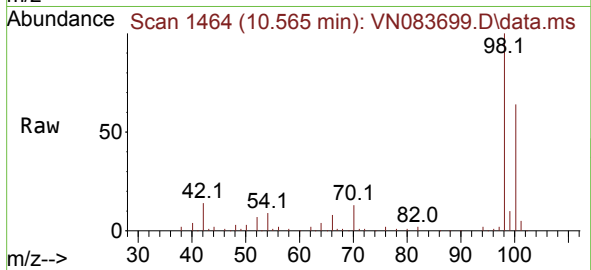




#63
Toluene-d8
Concen: 30.384 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

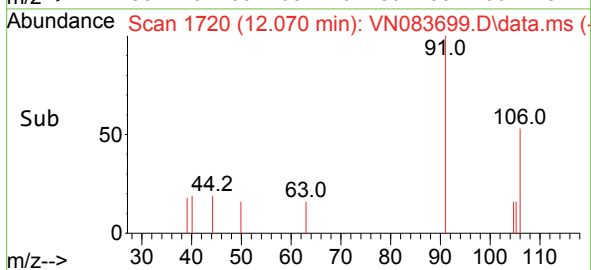
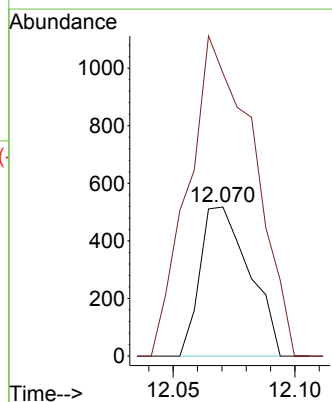
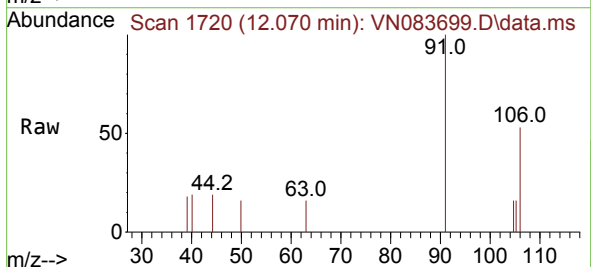
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

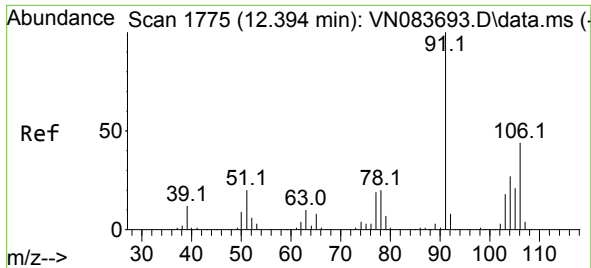
Tgt Ion: 98 Resp: 199729
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#67
m/p-Xylenes
Concen: 0.214 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion:106 Resp: 729
Ion Ratio Lower Upper
106 100
91 283.8 166.6 249.8#

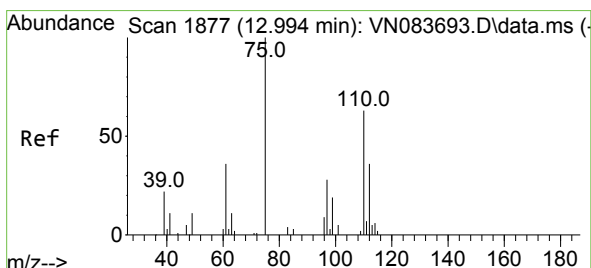
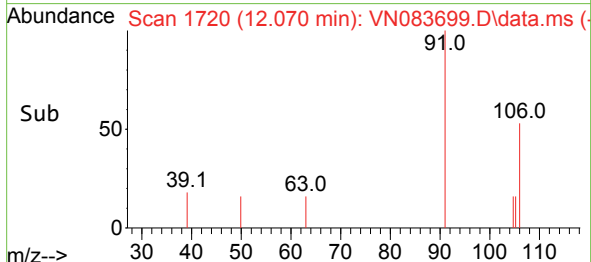
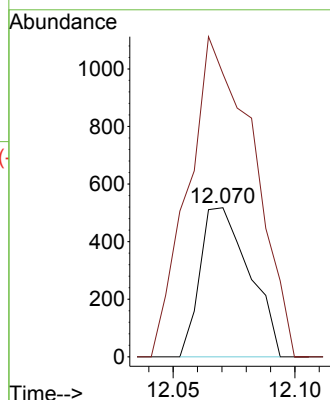
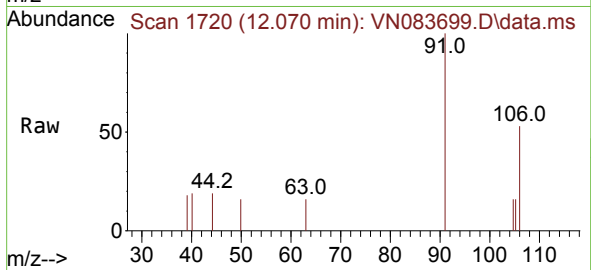




#68
o-Xylene
Concen: 0.221 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.324 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

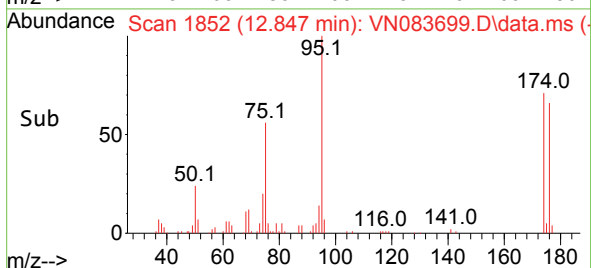
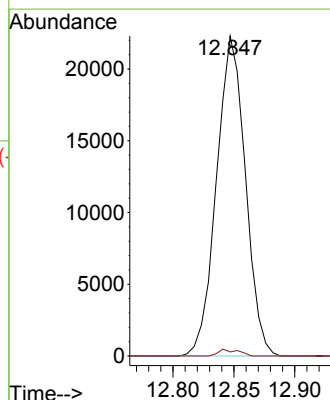
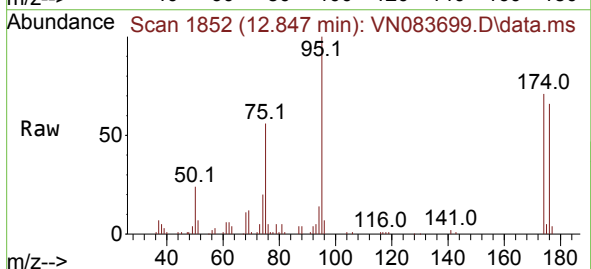
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

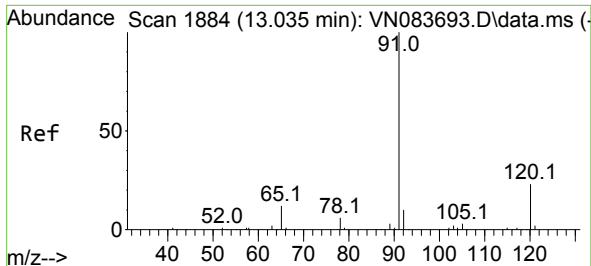
Tgt Ion:106 Resp: 729
Ion Ratio Lower Upper
106 100
91 283.8 110.0 330.0



#72
1,2,3-Trichloropropane
Concen: 17.647 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 75 Resp: 36849
Ion Ratio Lower Upper
75 100
77 1.4 0.0 367.6

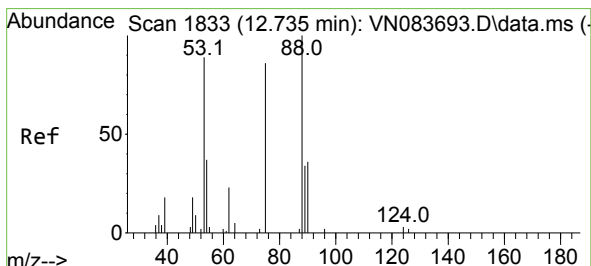
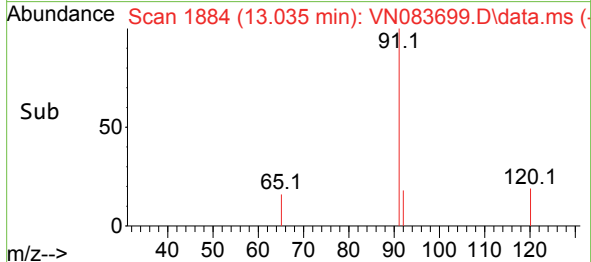
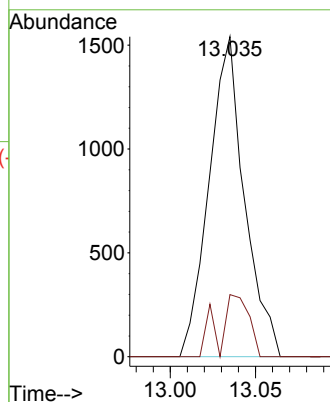
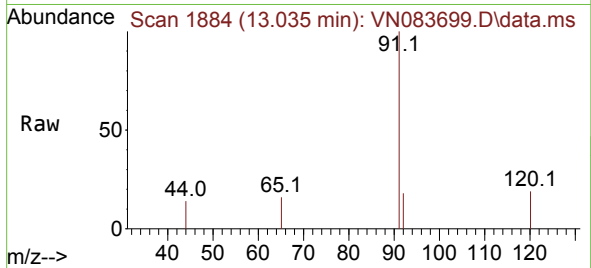




#74
n-propylbenzene
Concen: 0.218 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

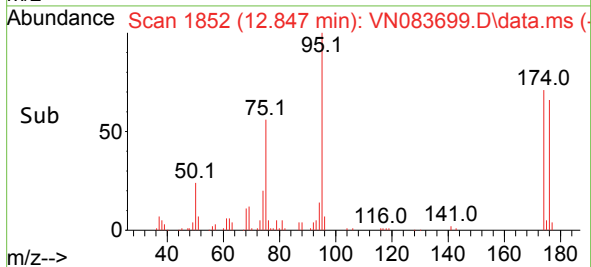
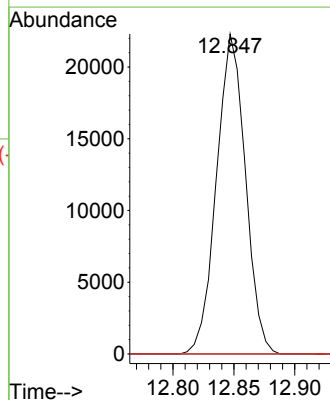
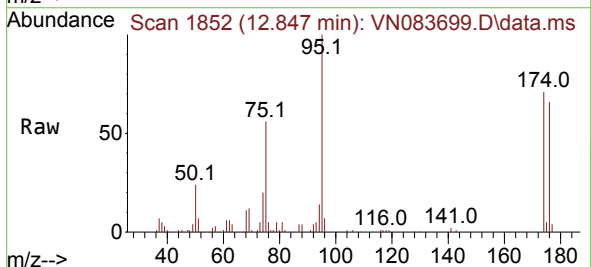
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

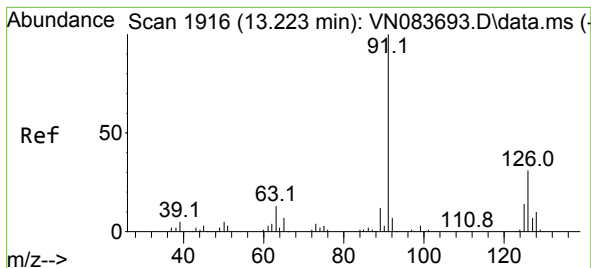
Tgt Ion: 91 Resp: 2223
Ion Ratio Lower Upper
91 100
120 12.3 0.0 43.8



#77
t-1,4-Dichloro-2-butene
Concen: 41.751 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 75 Resp: 36849
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

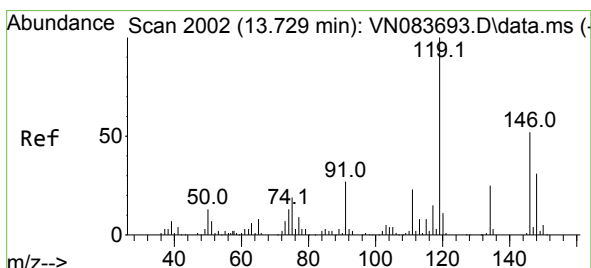
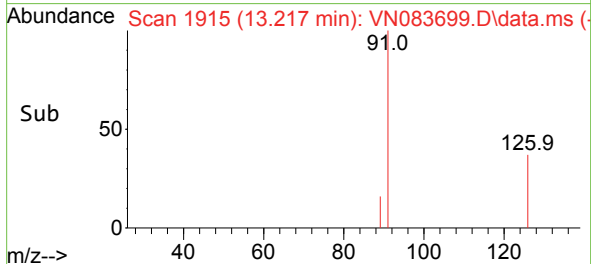
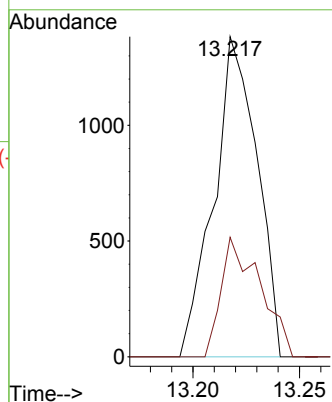
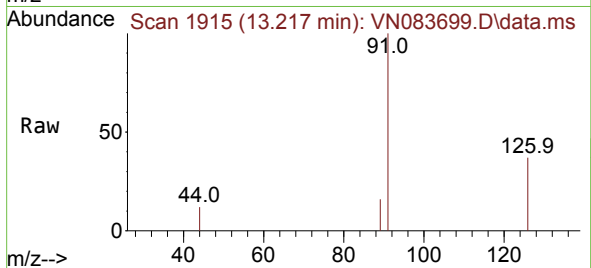




#78
4-Chlorotoluene
Concen: 0.302 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

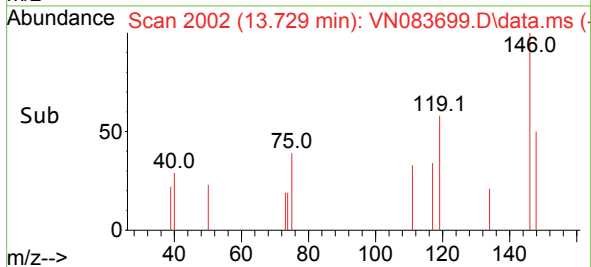
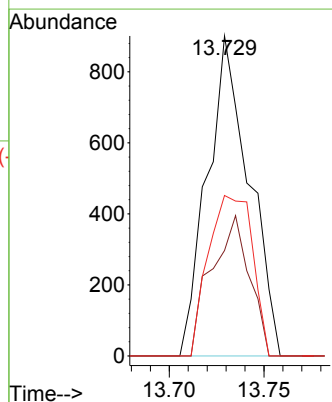
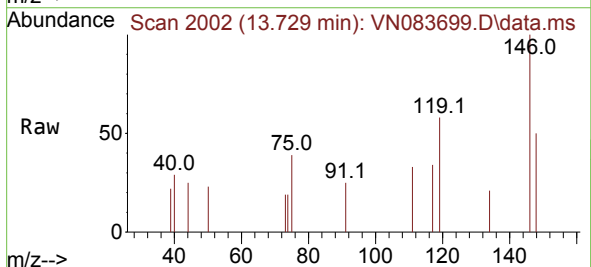
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

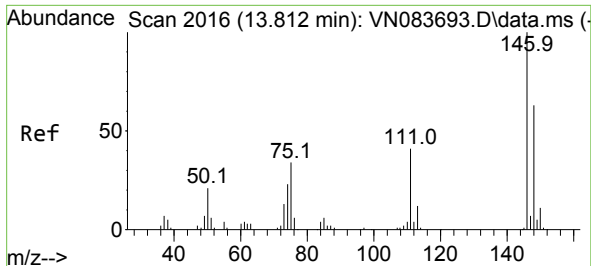
Tgt Ion: 91 Resp: 1951
Ion Ratio Lower Upper
91 100
126 33.8 0.0 62.8



#83
1,3-Dichlorobenzene
Concen: 0.359 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion: 146 Resp: 1383
Ion Ratio Lower Upper
146 100
111 39.9 22.4 67.0
148 53.0 32.1 96.5

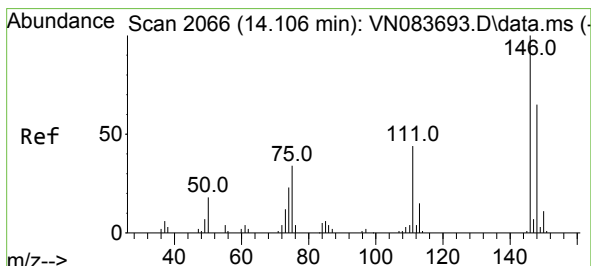
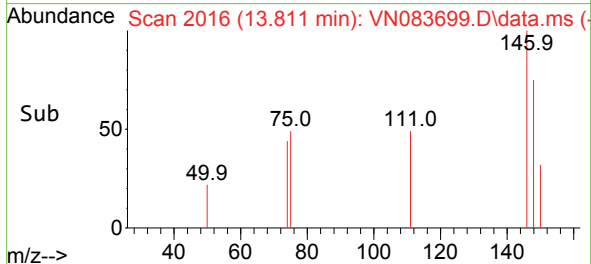
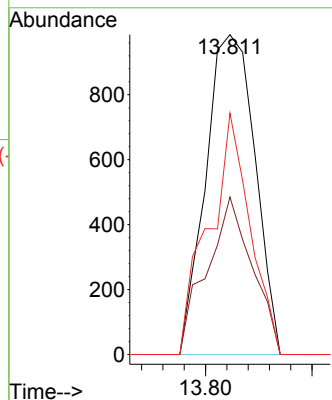
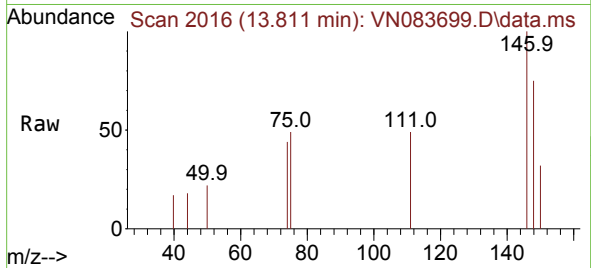




#84
1,4-Dichlorobenzene
Concen: 0.411 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

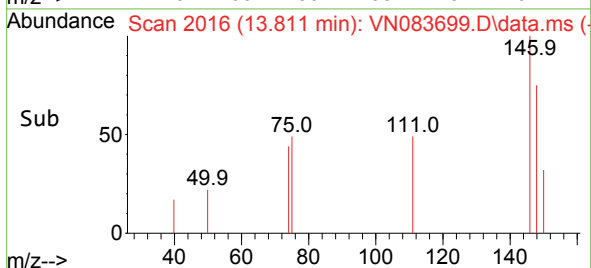
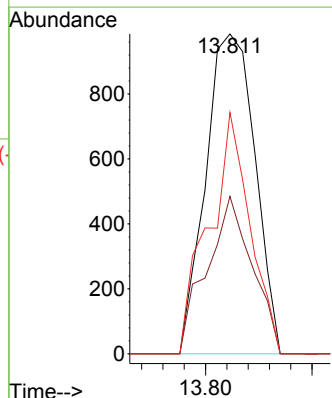
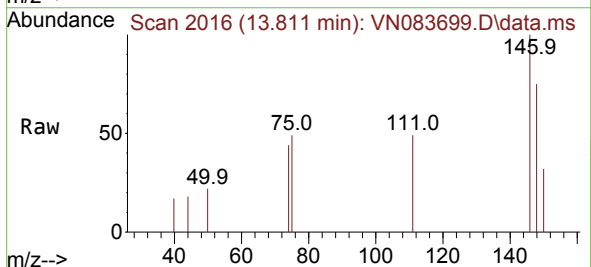
Instrument :
MSVOA_N
ClientSampleId :
VN0906WBL02

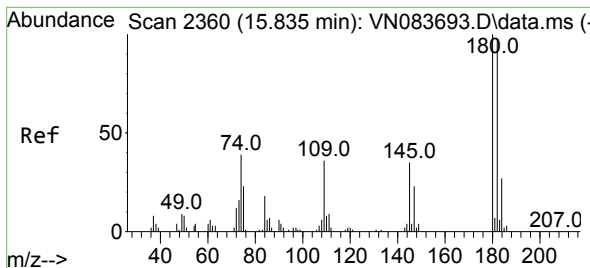
Tgt Ion:146 Resp: 1584
Ion Ratio Lower Upper
146 100
111 45.3 21.3 63.9
148 39.0 31.9 95.5



#87
1,2-Dichlorobenzene
Concen: 0.423 ug/l
RT: 13.811 min Scan# 2016
Delta R.T. -0.294 min
Lab File: VN083699.D
Acq: 06 Sep 2024 16:24

Tgt Ion:146 Resp: 1584
Ion Ratio Lower Upper
146 100
111 45.3 22.6 67.8
148 39.0 31.3 93.8





#89

1,2,4-Trichlorobenzene

Concen: 0.395 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN083699.D

Acq: 06 Sep 2024 16:24

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBL02

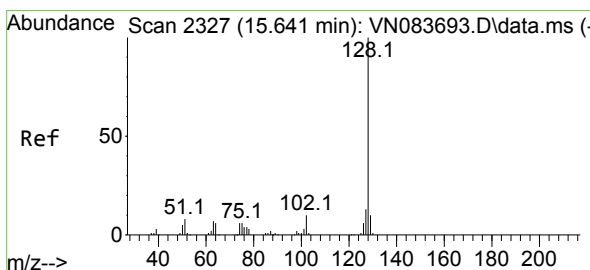
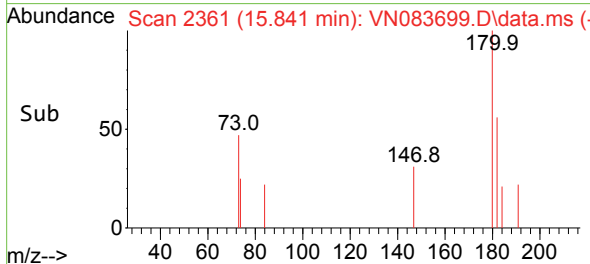
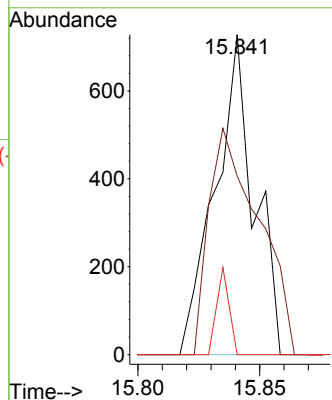
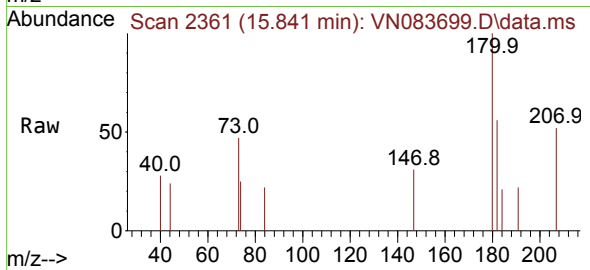
Tgt Ion:180 Resp: 809

Ion Ratio Lower Upper

180 100

182 90.7 76.4 114.6

145 0.0 28.4 42.6#



#91

Naphthalene

Concen: 0.420 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083699.D

Acq: 06 Sep 2024 16:24

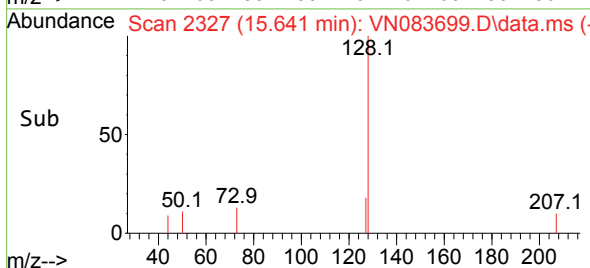
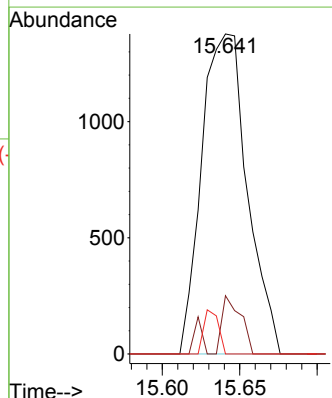
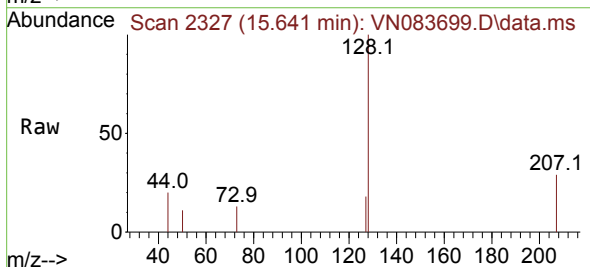
Tgt Ion:128 Resp: 2817

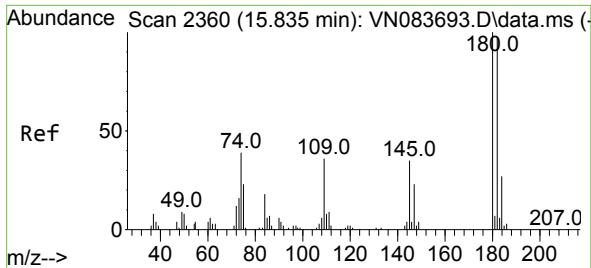
Ion Ratio Lower Upper

128 100

127 7.5 10.6 16.0#

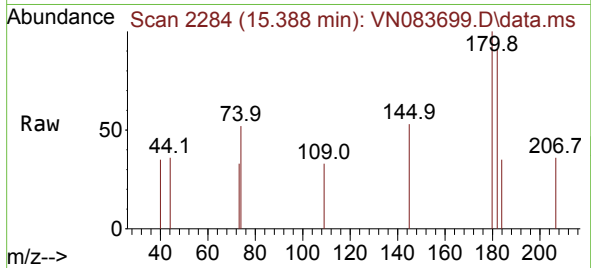
129 4.4 8.6 13.0#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.605 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. -0.447 min
 Lab File: VN083699.D
 Acq: 06 Sep 2024 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBL02



Tgt Ion:180 Resp: 1239
 Ion Ratio Lower Upper
 180 100
 182 86.4 0.0 191.0
 145 26.4 0.0 71.0

