

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083982.D
 Acq On : 18 Sep 2024 15:03
 Operator : JC\MD
 Sample : P4097-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:34:27 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)

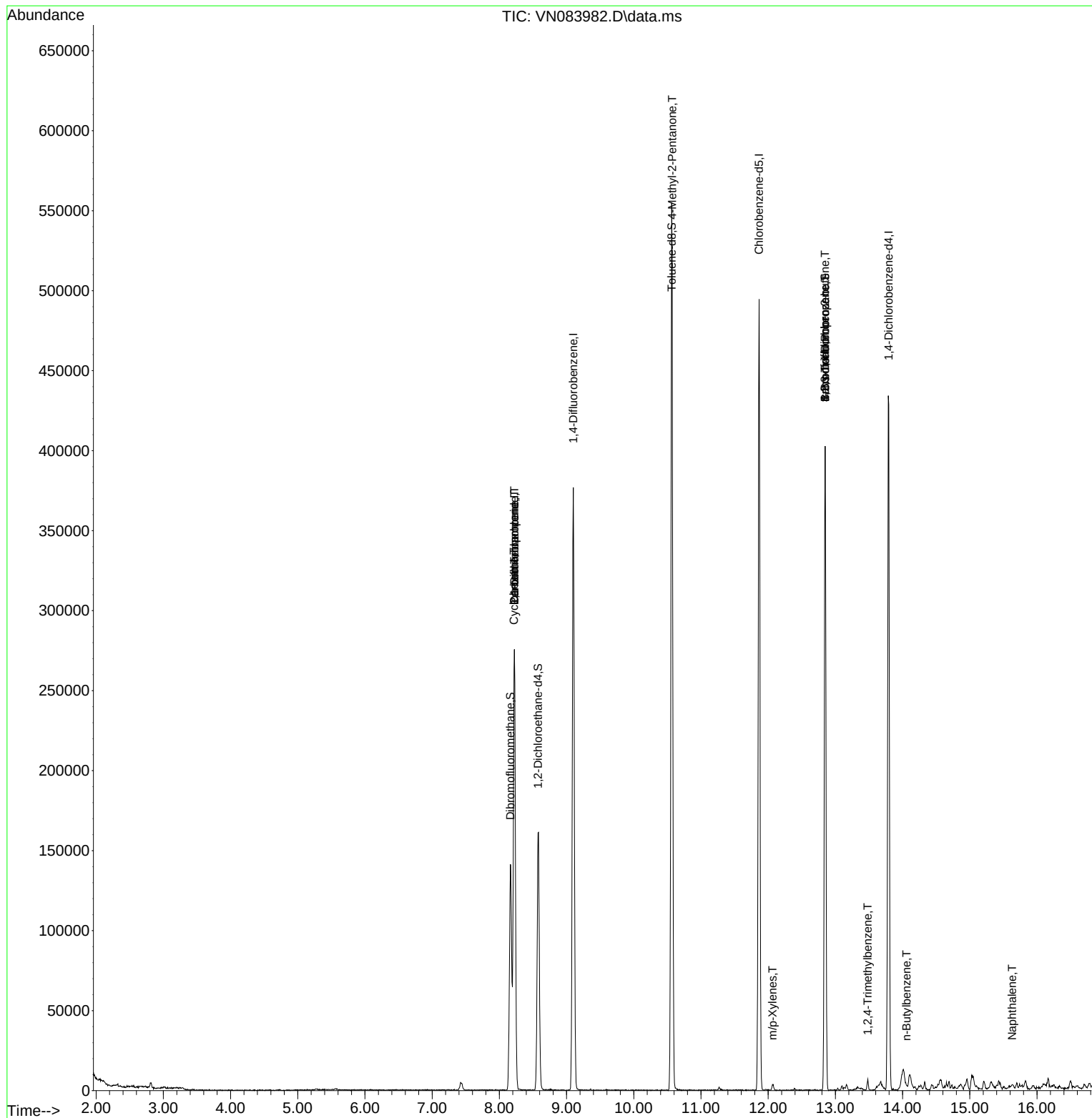
Internal Standards						
1) Pentafluorobenzene	8.224	168	184388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261194	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137106	49.313	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.620%		
35) Dibromofluoromethane	8.165	113	95596	48.573	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	10.565	98	369581	54.319	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	108.640%		
62) 4-Bromofluorobenzene	12.847	95	136744	48.714	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	167	Below Cal	#	41
31) Cyclohexane	8.218	56	5059	1.259	ug/l #	13
36) 1,1-Dichloropropene	8.224	75	17238	5.819	ug/l #	50
38) Carbon Tetrachloride	8.224	117	21785	6.482	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	1594	0.601	ug/l #	1
68) m/p-Xylenes	12.065	106	1466	0.383	ug/l	94
71) Bromoform	12.847	173	603	0.445	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80009	35.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80009	93.645	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	4180	0.575	ug/l	92
89) n-Butylbenzene	14.059	91	1337	0.212	ug/l #	64
95) Naphthalene	15.629	128	2171	0.354	ug/l #	90

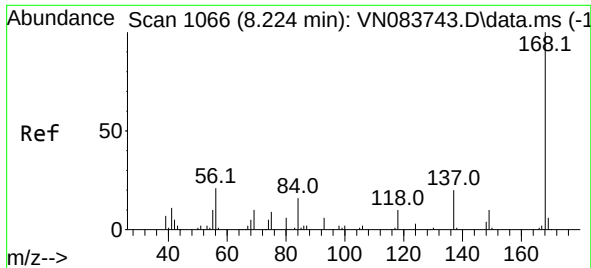
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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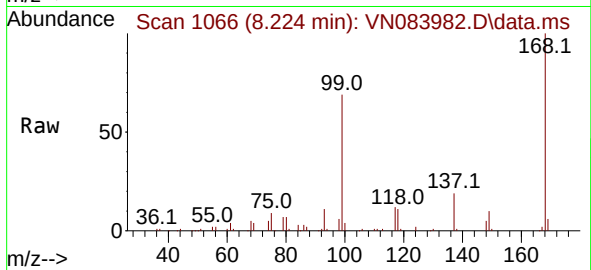
Quant Time: Sep 19 01:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



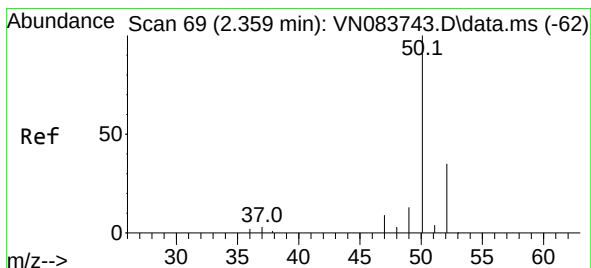
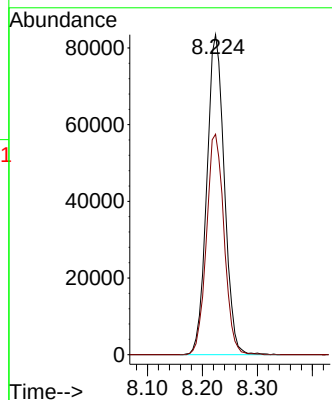
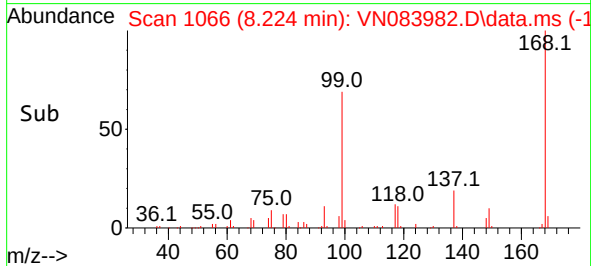


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

Instrument :
MSVOA_N
ClientSampleId :

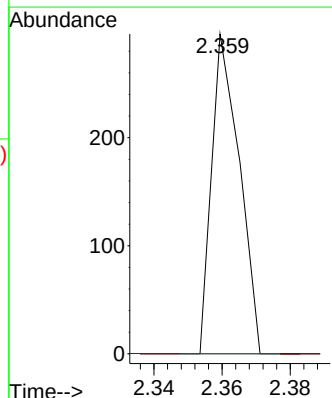
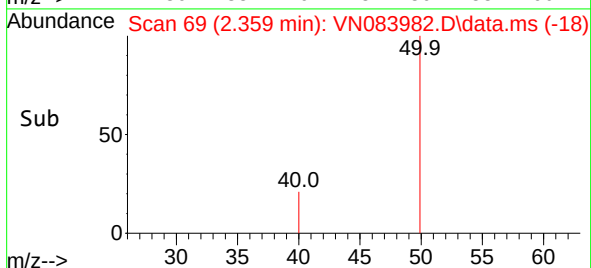
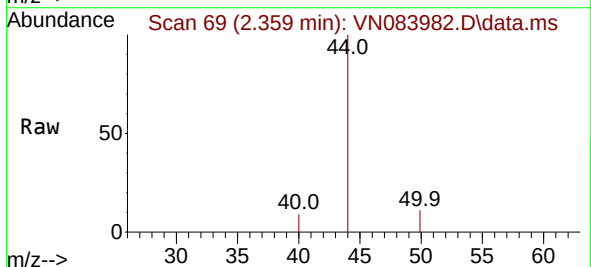


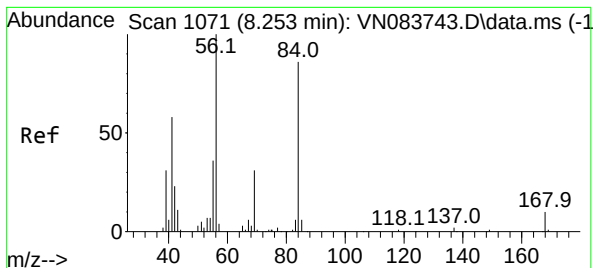
Tgt Ion:168 Resp: 184388
Ion Ratio Lower Upper
168 100
99 68.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#31

Cyclohexane

Concen: 1.259 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

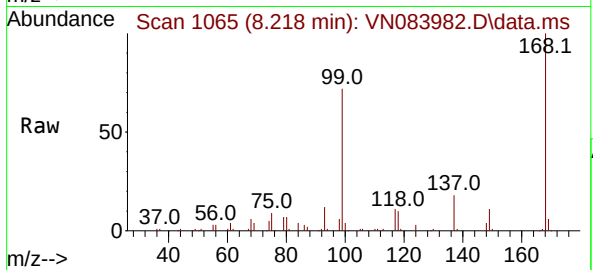
Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :



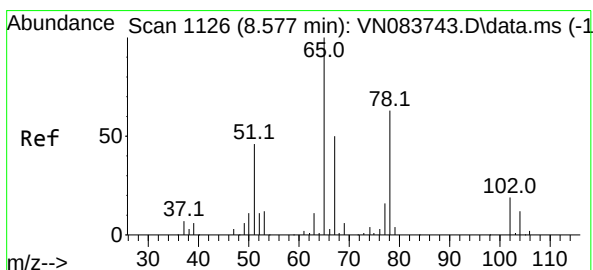
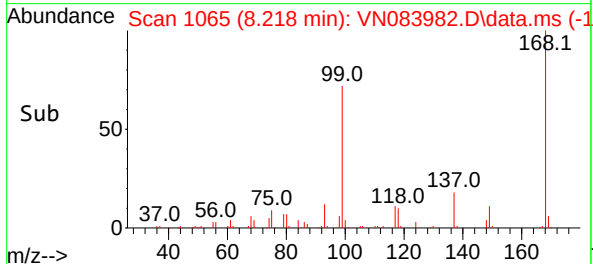
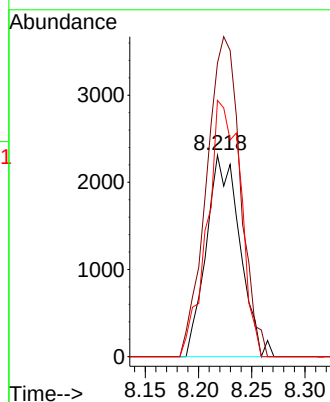
Tgt Ion: 56 Resp: 5059

Ion Ratio Lower Upper

56 100

69 145.8 26.9 40.3#

84 127.2 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 49.313 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083982.D

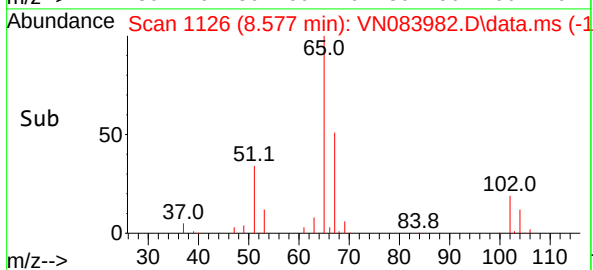
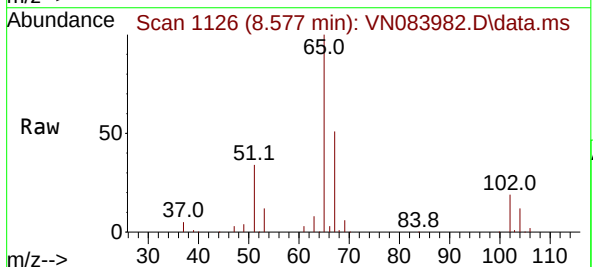
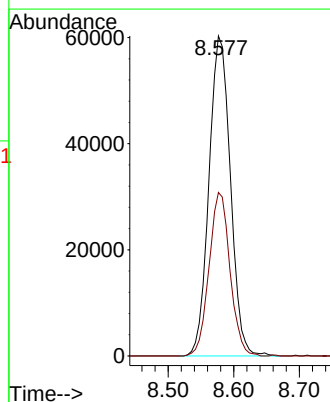
Acq: 18 Sep 2024 15:03

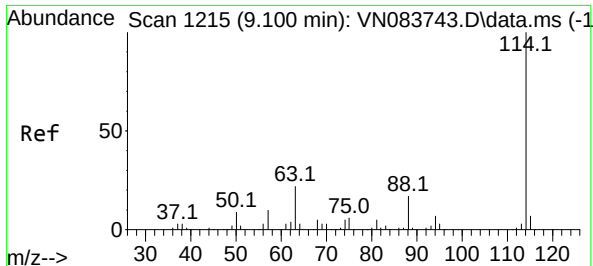
Tgt Ion: 65 Resp: 137106

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# 11

Delta R.T. -0.000 min

Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

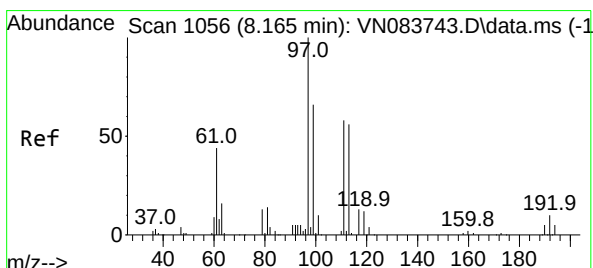
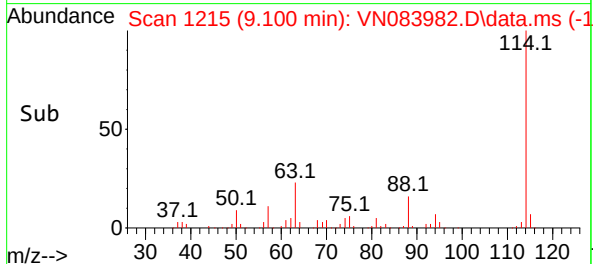
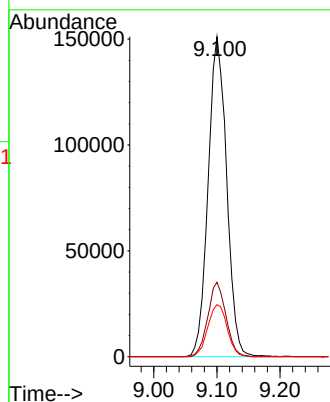
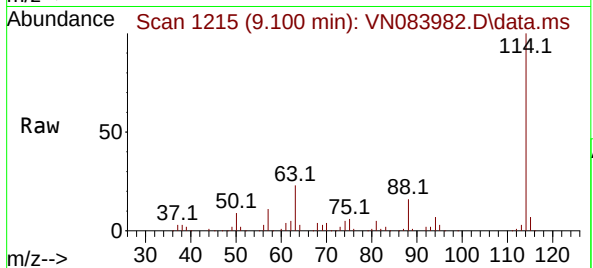
Tgt Ion:114 Resp: 307426

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.4

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.573 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

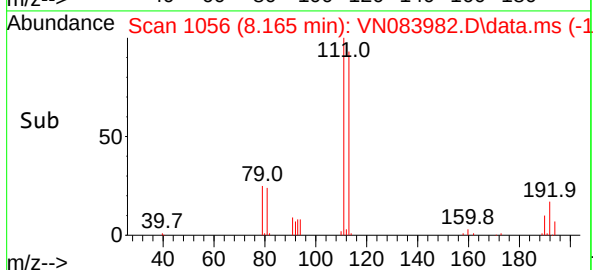
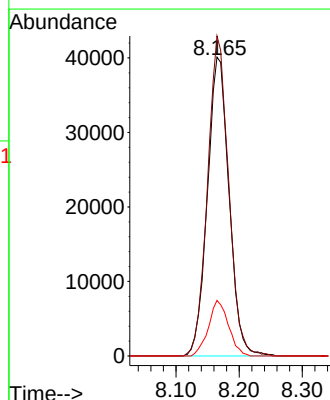
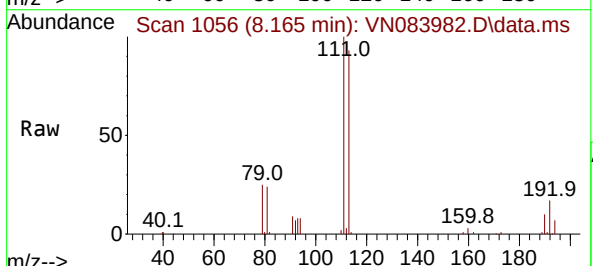
Tgt Ion:113 Resp: 95596

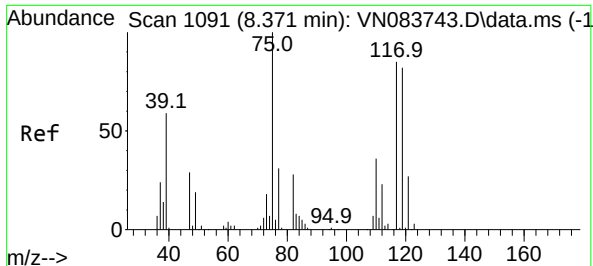
Ion Ratio Lower Upper

113 100

111 104.2 82.6 124.0

192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.819 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

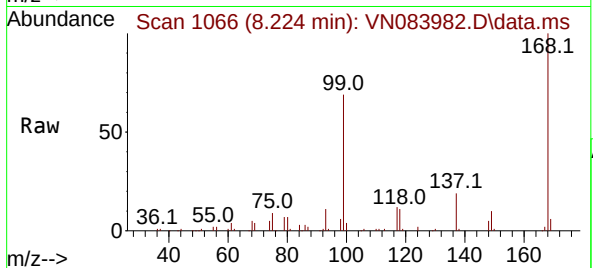
Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

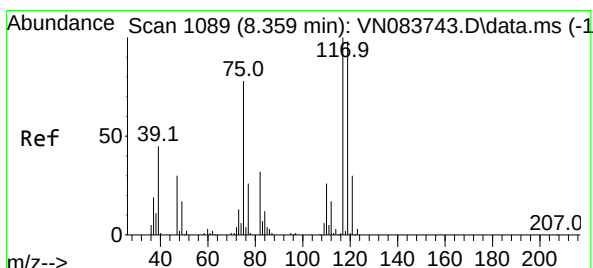
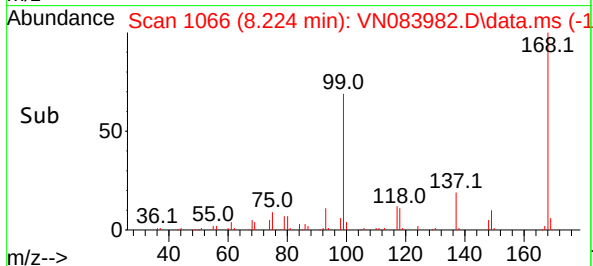
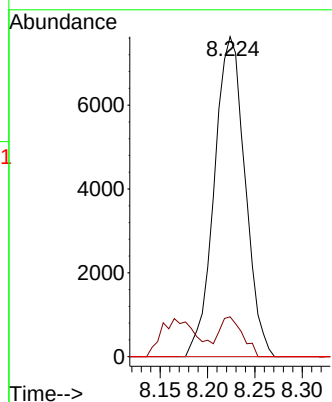
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17238
Ion Ratio	100	Lower	Upper
75	100		
110	9.2	16.7	50.1#
77	0.0	25.2	37.8#



#38

Carbon Tetrachloride

Concen: 6.482 ug/l

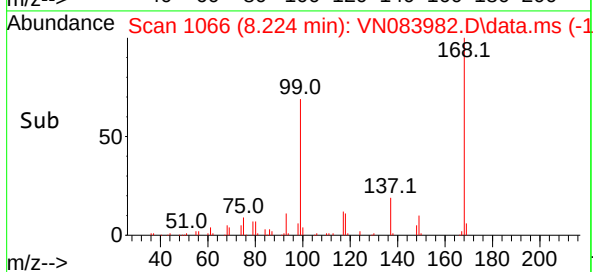
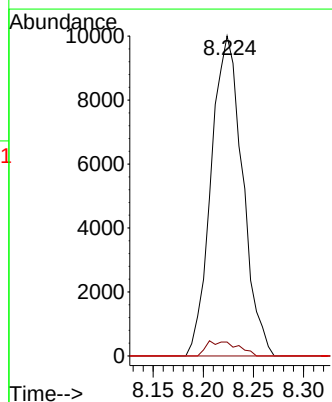
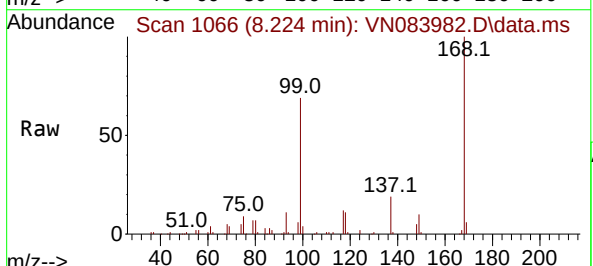
RT: 8.224 min Scan# 1066

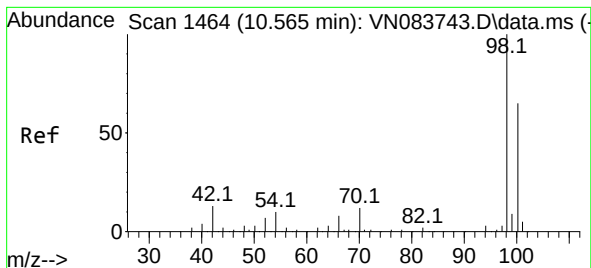
Delta R.T. -0.135 min

Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

Tgt Ion:	117	Resp:	21785
Ion Ratio	100	Lower	Upper
117	100		
119	4.3	76.1	114.1#
121	0.0	24.1	36.1#





#50

Toluene-d8

Concen: 54.319 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

Instrument :

MSVOA_N

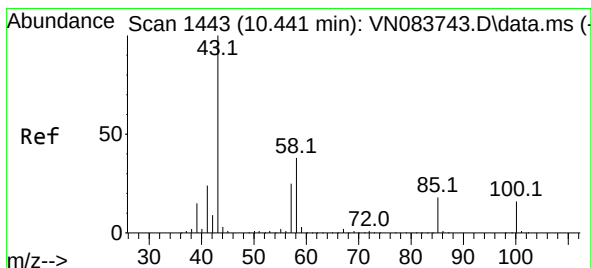
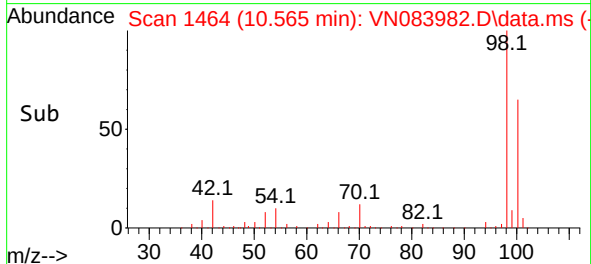
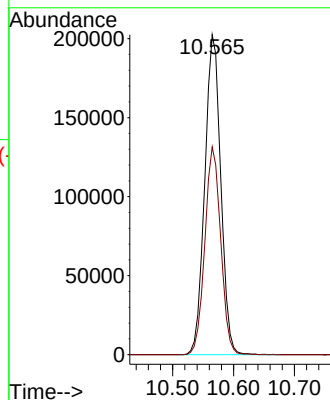
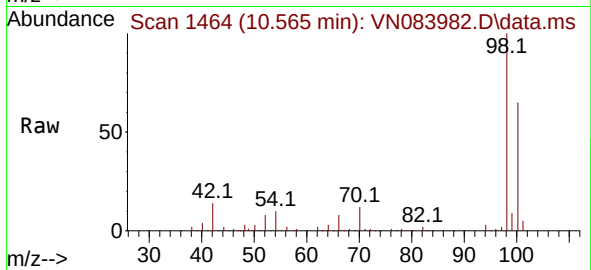
ClientSampleId :

Tgt Ion: 98 Resp: 369581

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.129 min

Lab File: VN083982.D

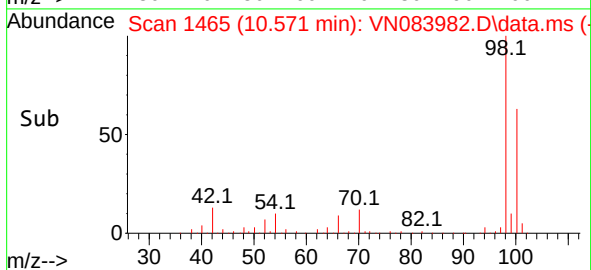
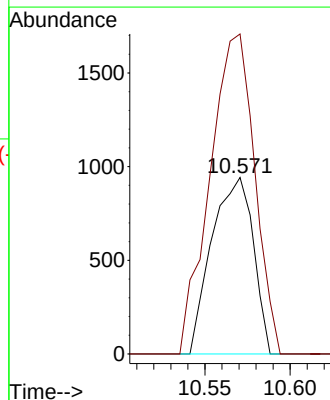
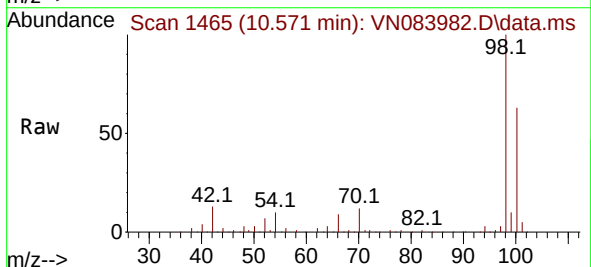
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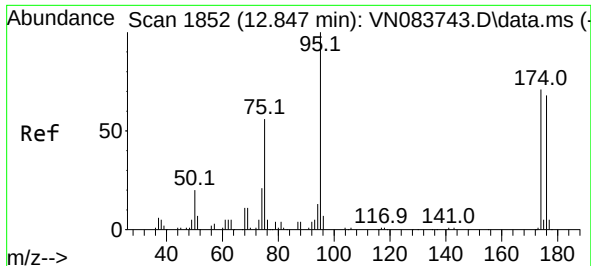
Tgt Ion: 43 Resp: 1594

Ion Ratio Lower Upper

43 100

58 195.7 31.6 47.4#

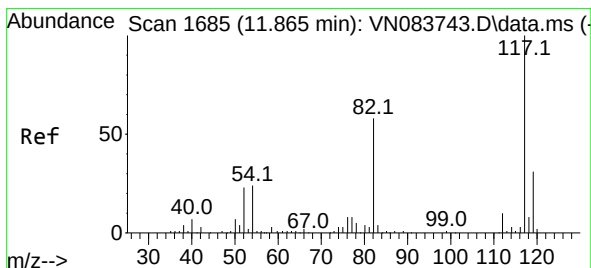
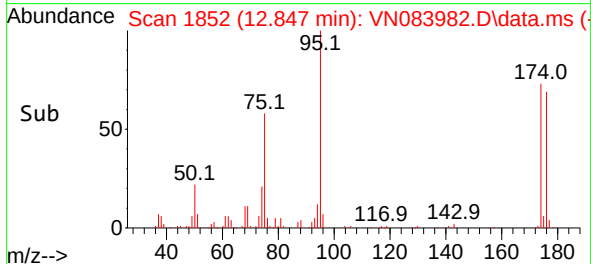
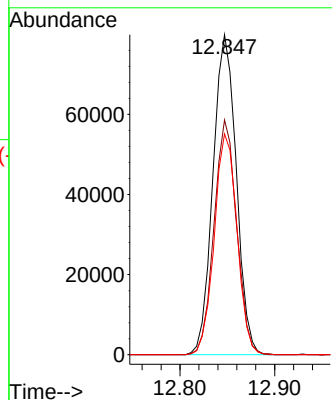
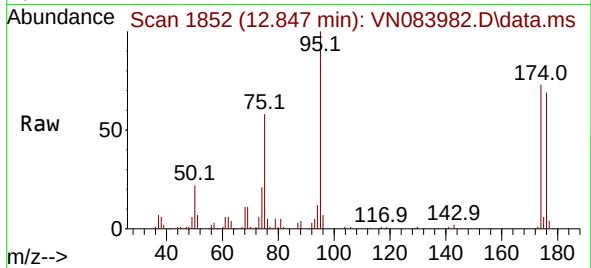




#62
4-Bromofluorobenzene
Concen: 48.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

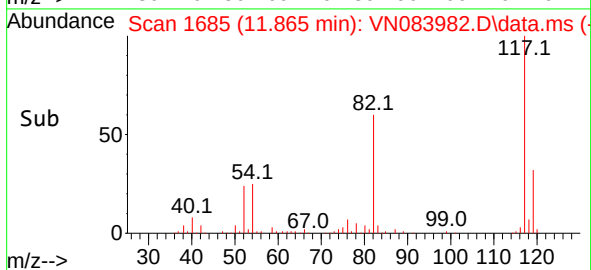
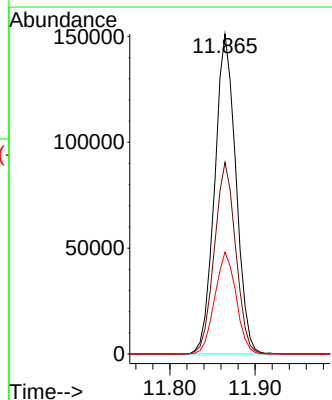
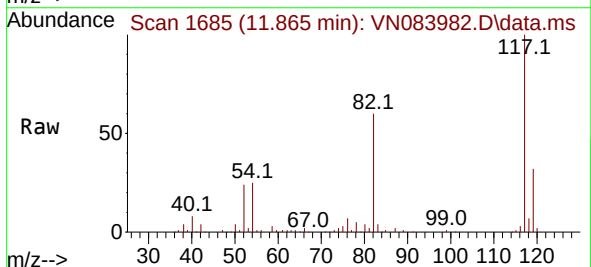
Instrument :
MSVOA_N
ClientSampleId :

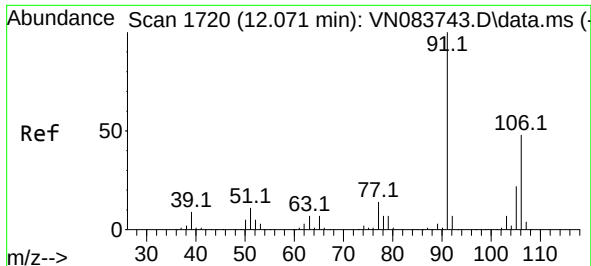
Tgt Ion: 95 Resp: 136744
Ion Ratio Lower Upper
95 100
174 71.1 0.0 139.8
176 67.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

Tgt Ion: 117 Resp: 261194
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.0
119 31.9 26.3 39.5

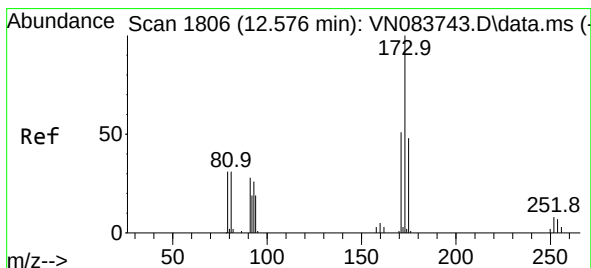
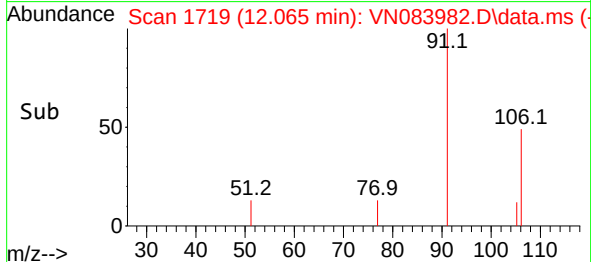
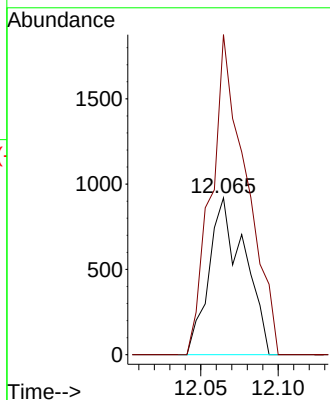
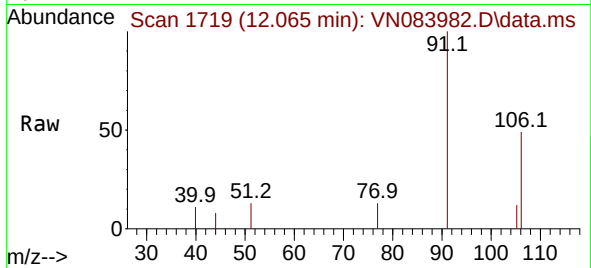




#68
m/p-Xylenes
Concen: 0.383 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

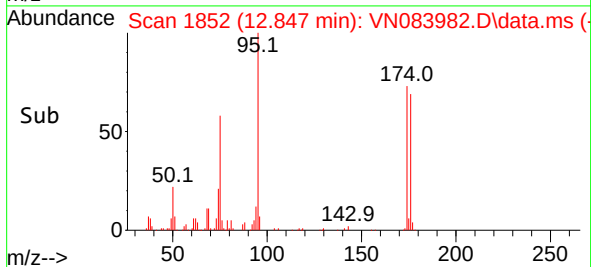
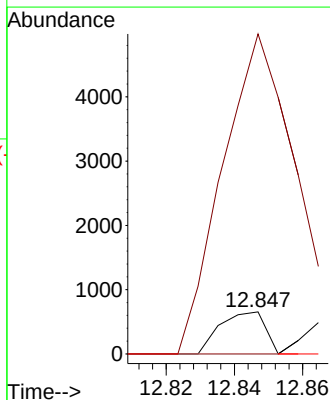
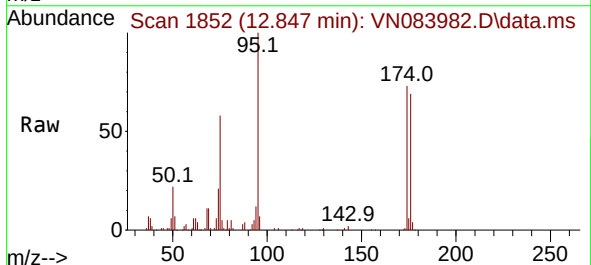
Instrument :
MSVOA_N
ClientSampleId :

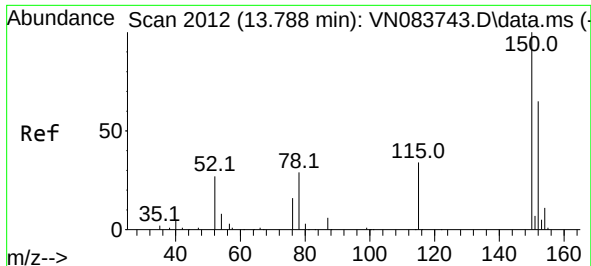
Tgt Ion:106 Resp: 1466
Ion Ratio Lower Upper
106 100
91 202.0 169.2 253.8



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

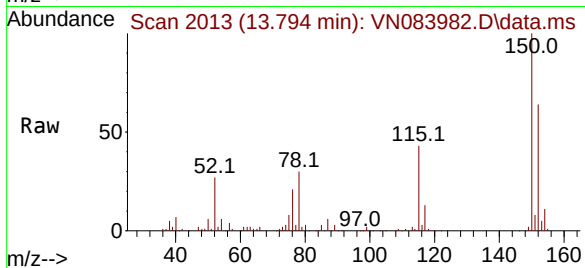
Tgt Ion:173 Resp: 603
Ion Ratio Lower Upper
173 100
175 968.5 24.1 72.2#
254 0.0 0.0 0.0



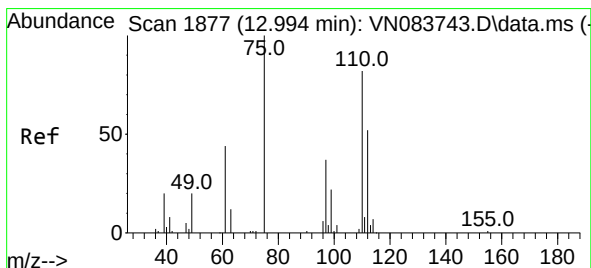
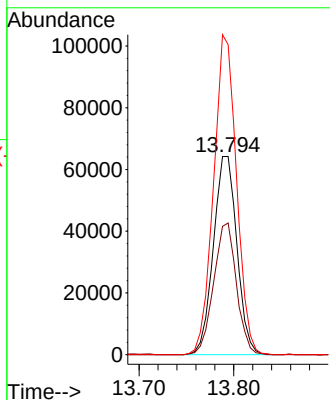
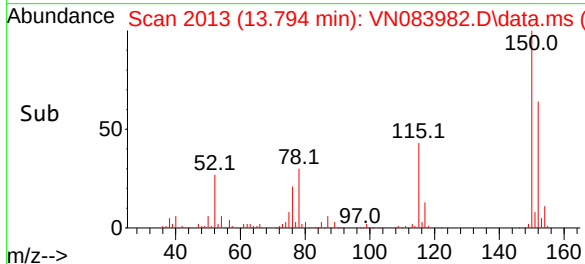


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN083982.D
 Acq: 18 Sep 2024 15:03

Instrument :
 MSVOA_N
 ClientSampleId :

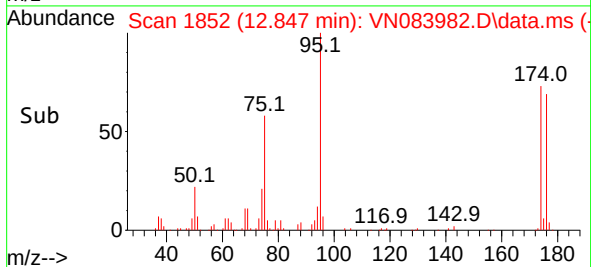
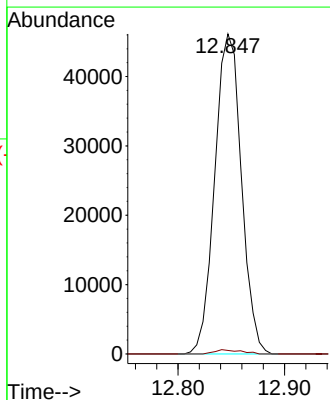
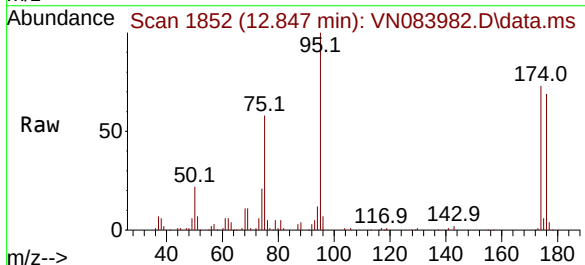


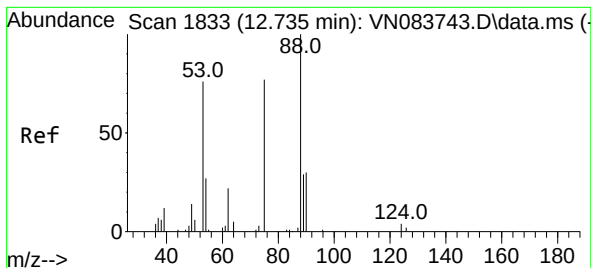
Tgt Ion:152 Resp: 110898
 Ion Ratio Lower Upper
 152 100
 115 64.4 32.2 96.6
 150 157.2 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 35.755 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083982.D
 Acq: 18 Sep 2024 15:03

Tgt Ion: 75 Resp: 80009
 Ion Ratio Lower Upper
 75 100
 77 1.3 95.2 285.6#

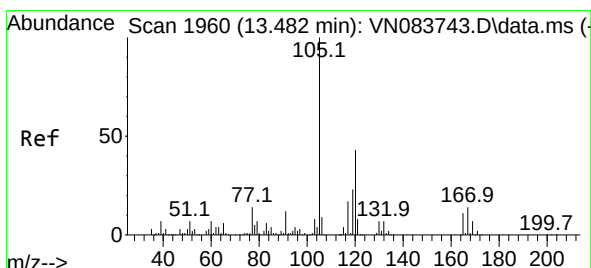
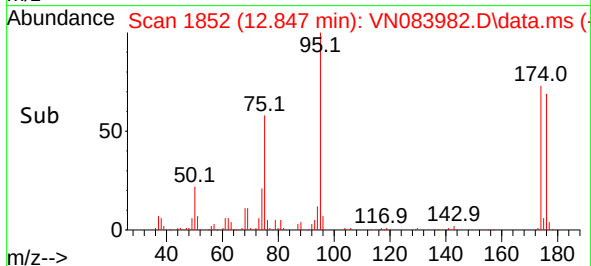
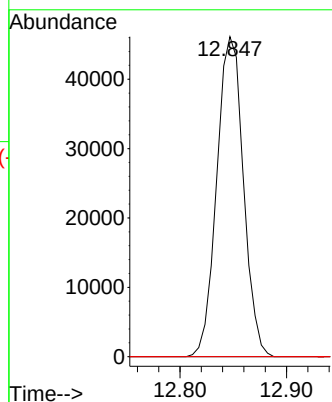
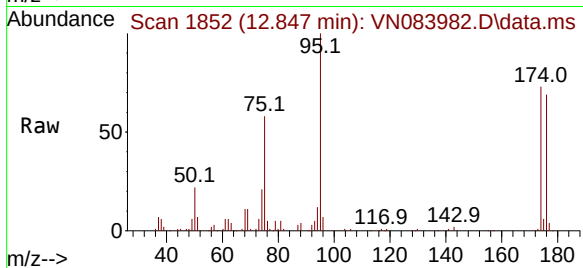




#81
trans-1,4-Dichloro-2-butene
Concen: 93.645 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

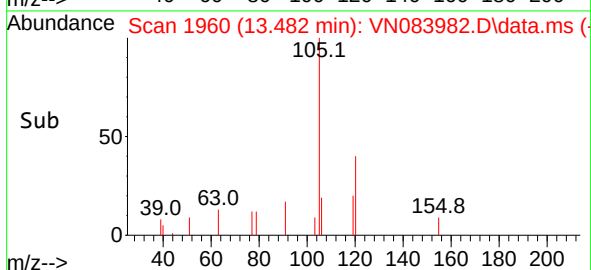
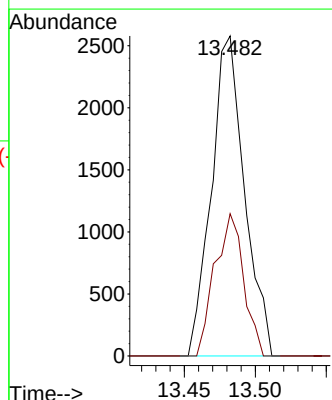
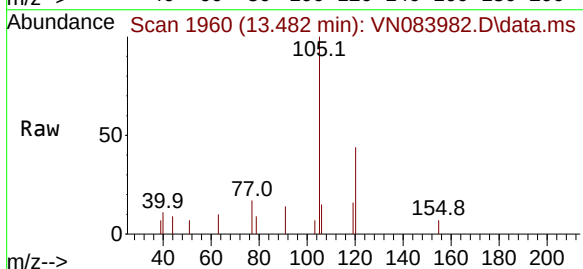
Instrument :
MSVOA_N
ClientSampleId :

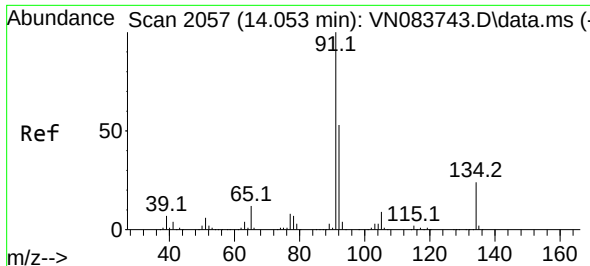
Tgt Ion: 75 Resp: 80009
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.575 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083982.D
Acq: 18 Sep 2024 15:03

Tgt Ion: 105 Resp: 4180
Ion Ratio Lower Upper
105 100
120 38.6 21.8 65.4





#89

n-Butylbenzene

Concen: 0.212 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VN083982.D

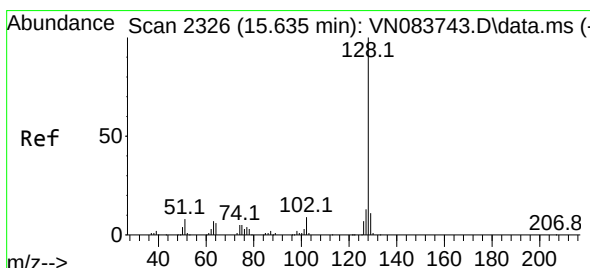
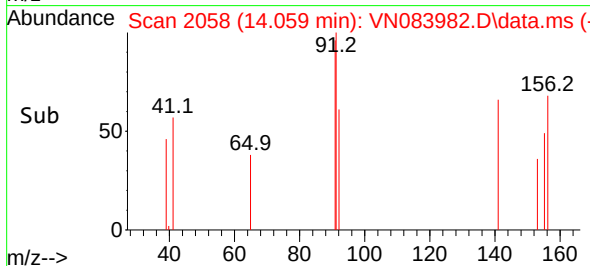
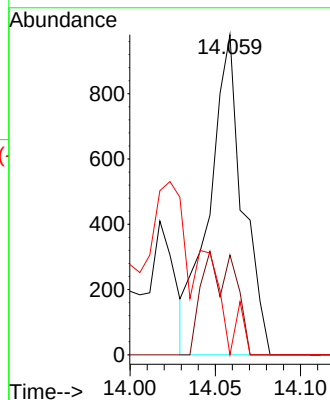
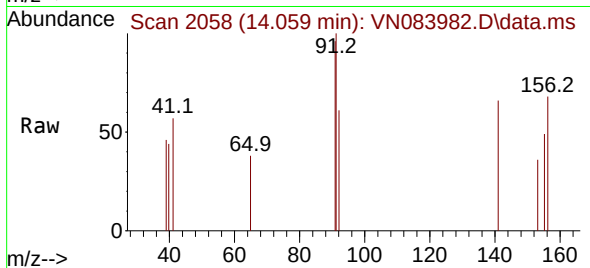
Acq: 18 Sep 2024 15:03

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp: 1337
Ion Ratio	Lower Upper
91	100
92	31.7 26.7 80.1
134	0.0 12.2 36.4#



#95

Naphthalene

Concen: 0.354 ug/l

RT: 15.629 min Scan# 2325

Delta R.T. -0.006 min

Lab File: VN083982.D

Acq: 18 Sep 2024 15:03

Tgt Ion: 128	Resp: 2171
Ion Ratio	Lower Upper
128	100
127	13.1 10.2 15.2
129	3.4 8.7 13.1#

