

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032124\
 Data File : VN081515.D
 Acq On : 21 Mar 2024 13:27
 Operator : JC\MD
 Sample : P1799-03DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50297DL

Quant Time: Mar 22 05:05:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

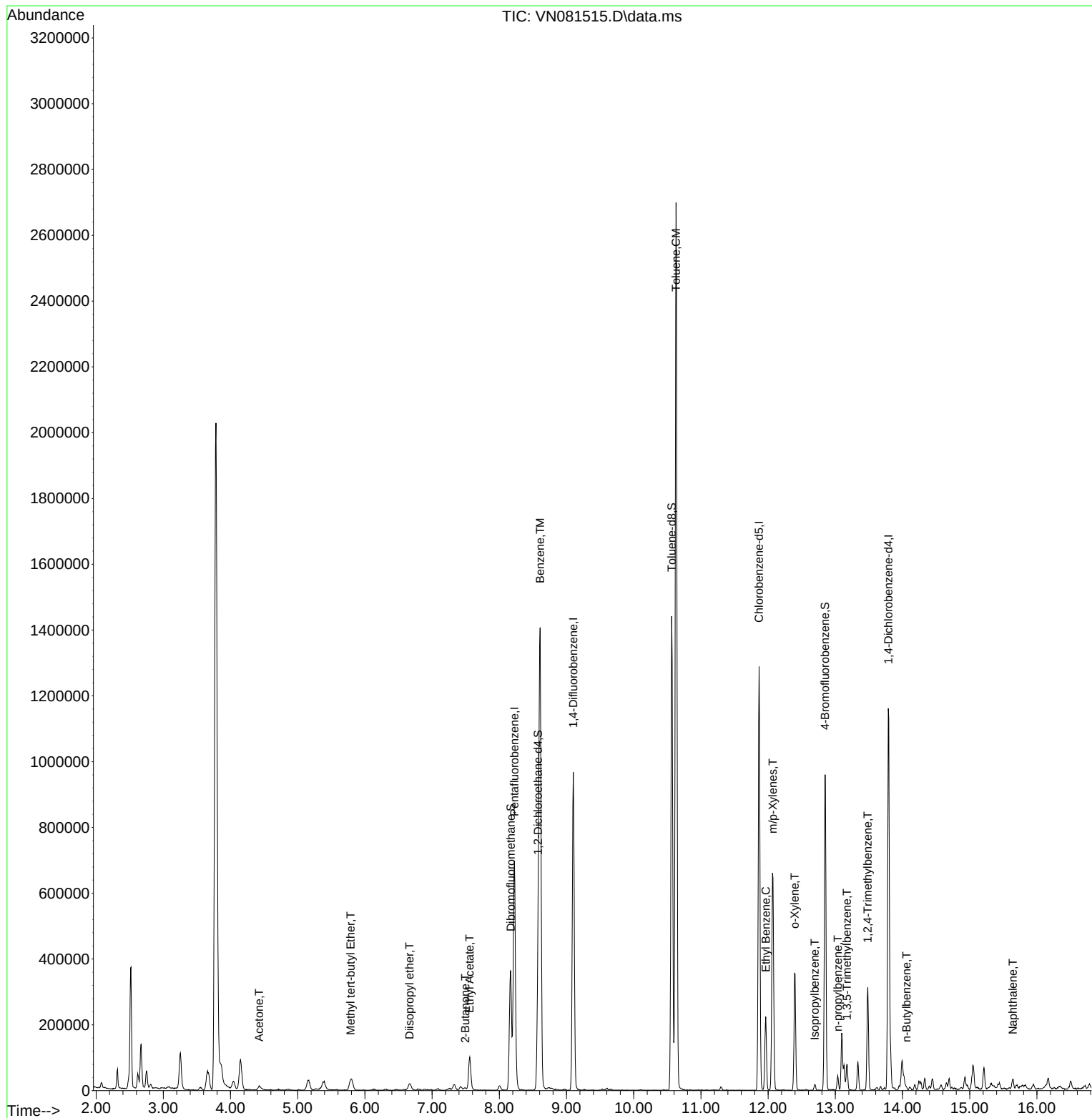
Internal Standards						
1) Pentafluorobenzene	8.224	168	501659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	868860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	746492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	314193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	301332	47.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	8.171	113	257465	46.954	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.900%		
50) Toluene-d8	10.565	98	1004456	50.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.340%		
62) 4-Bromofluorobenzene	12.847	95	325120	46.549	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	93.100%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	22180	10.728	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	55190	2.979	ug/l	94
22) Diisopropyl ether	6.665	45	20804	1.207	ug/l #	83
25) 2-Butanone	7.494	43	10313	2.908	ug/l	98
37) Ethyl Acetate	7.559	43	146702	18.566	ug/l	94
40) Benzene	8.606	78	1387065	51.414	ug/l	98
52) Toluene	10.630	92	1198485	69.893	ug/l	100
67) Ethyl Benzene	11.965	91	164445	5.365	ug/l	91
68) m/p-Xylenes	12.071	106	222559	19.367	ug/l	95
69) o-Xylene	12.394	106	101779	9.022	ug/l	92
73) Isopropylbenzene	12.694	105	12351	0.461	ug/l	92
78) n-propylbenzene	13.035	91	35362	1.118	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	40832	1.846	ug/l	90
84) 1,2,4-Trimethylbenzene	13.482	105	179598	8.078	ug/l	94
89) n-Butylbenzene	14.059	91	5412	0.274	ug/l #	81
95) Naphthalene	15.641	128	28525	1.301	ug/l	98

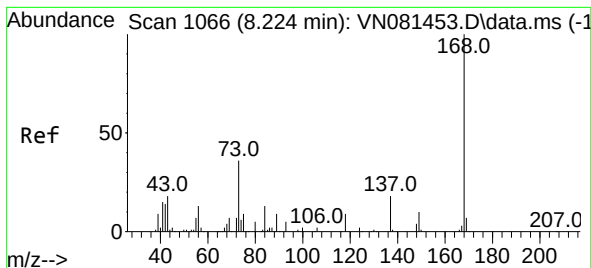
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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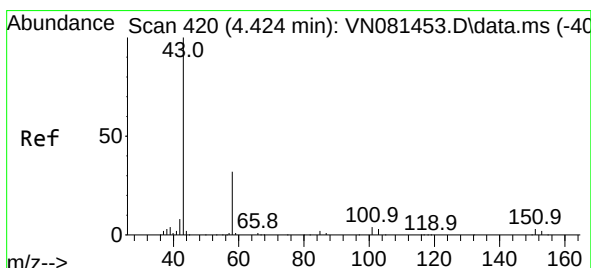
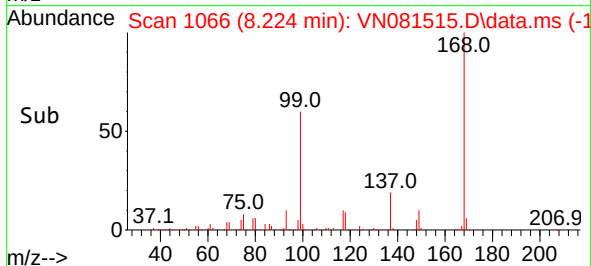
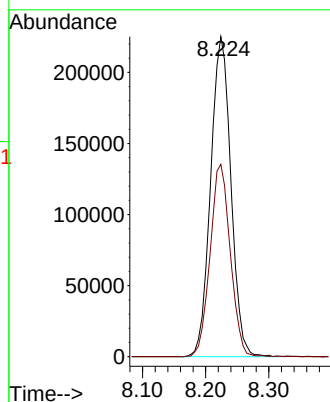
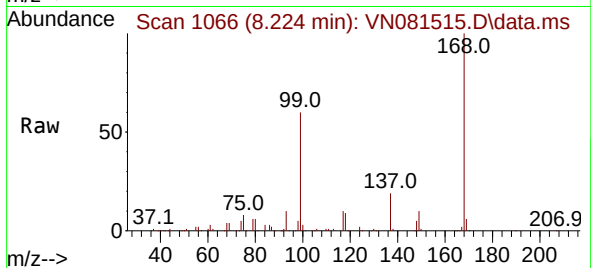




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

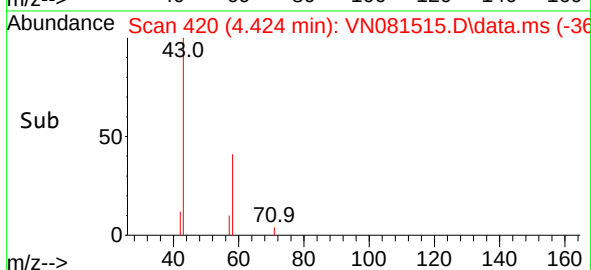
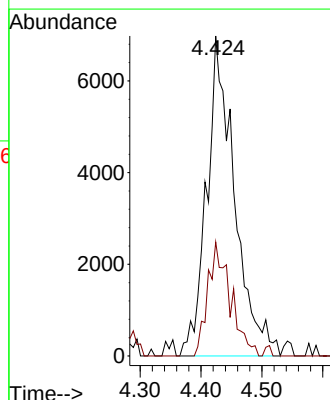
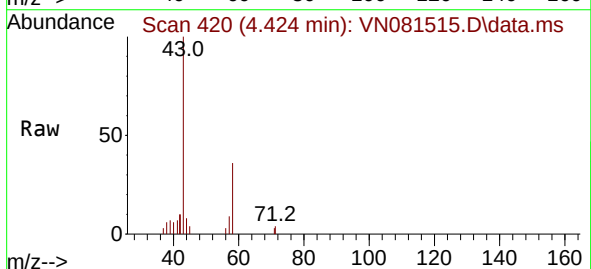
Instrument :
MSVOA_N
ClientSampleId :
50297DL

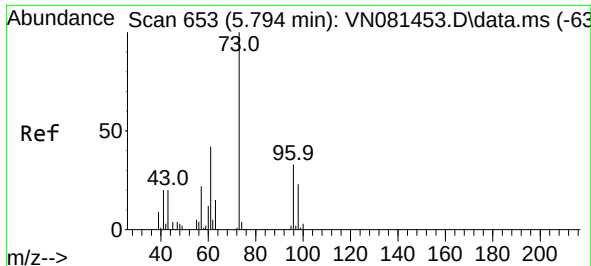
Tgt Ion:168 Resp: 501659
Ion Ratio Lower Upper
168 100
99 60.1 59.9 89.9



#16
Acetone
Concen: 10.728 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion: 43 Resp: 22180
Ion Ratio Lower Upper
43 100
58 35.6 24.8 37.2

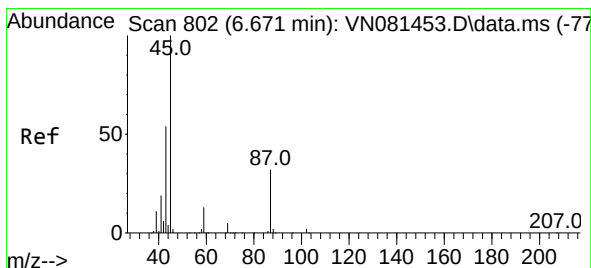
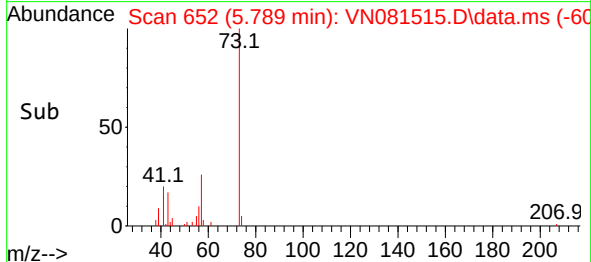
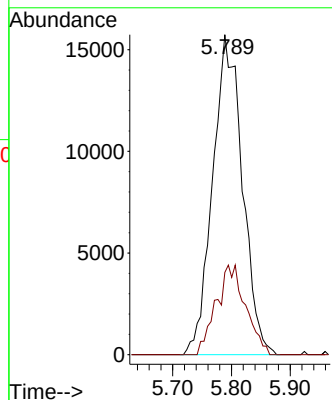
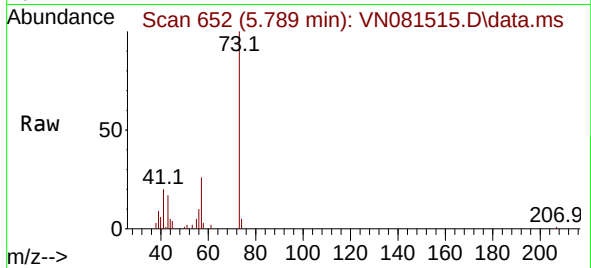




#19
Methyl tert-butyl Ether
Concen: 2.979 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

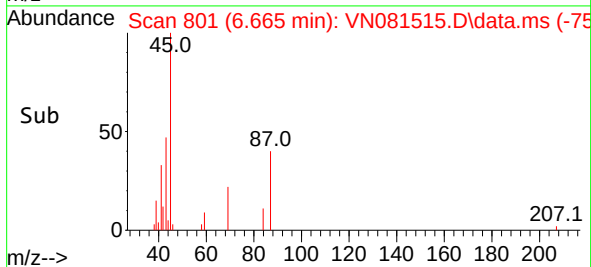
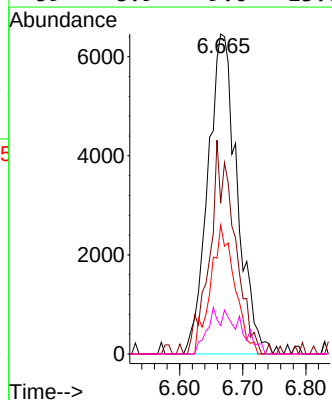
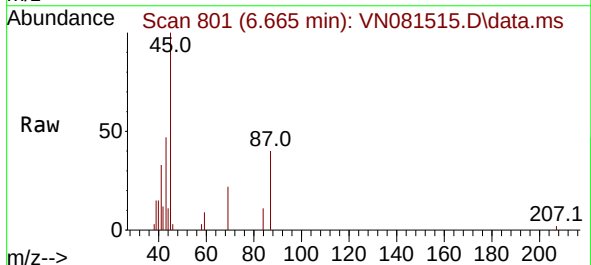
Instrument :
MSVOA_N
ClientSampleId :
50297DL

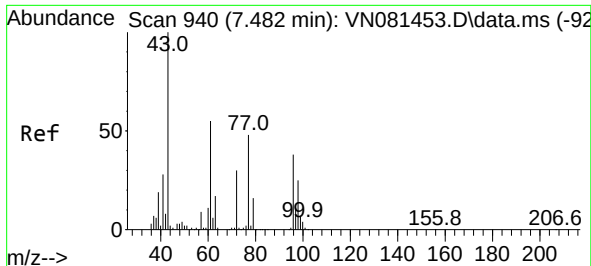
Tgt Ion: 73 Resp: 55190
Ion Ratio Lower Upper
73 100
57 25.7 18.2 27.4



#22
Diisopropyl ether
Concen: 1.207 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion: 45 Resp: 20804
Ion Ratio Lower Upper
45 100
43 44.7 41.8 62.8
87 40.2 18.1 27.1#
59 8.9 9.0 13.6#

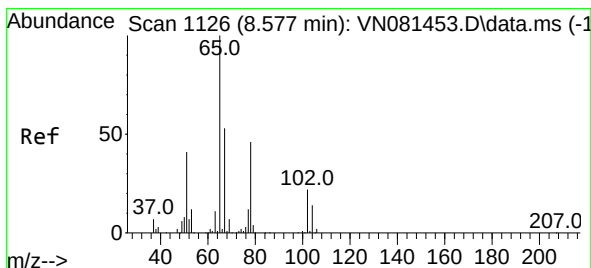
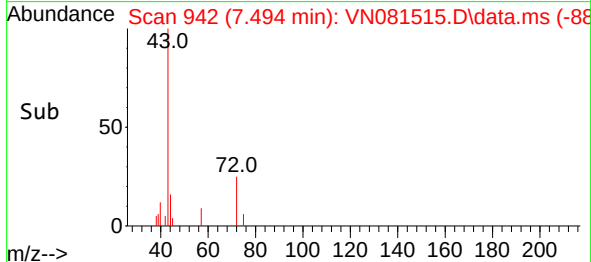
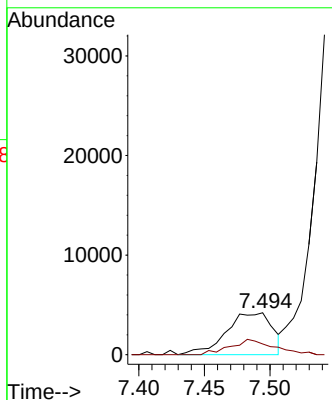
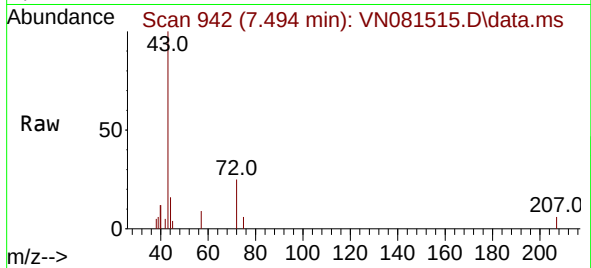




#25
2-Butanone
Concen: 2.908 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

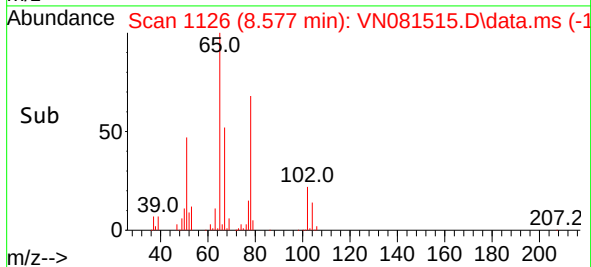
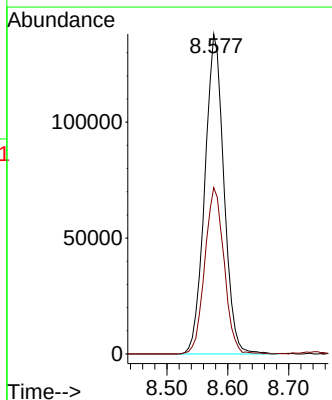
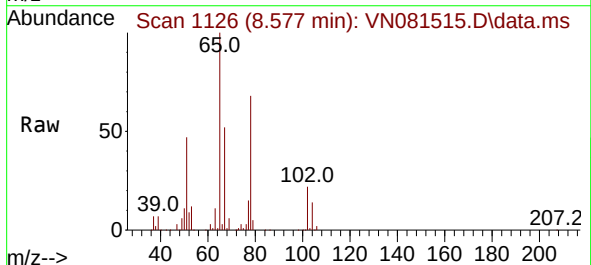
Instrument :
MSVOA_N
ClientSampleId :
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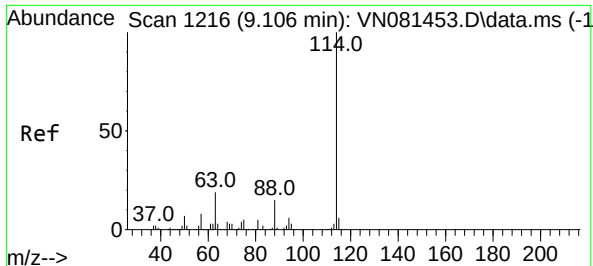
Tgt Ion: 43 Resp: 10313
Ion Ratio Lower Upper
43 100
72 25.4 19.5 29.3



#33
1,2-Dichloroethane-d4
Concen: 47.102 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion: 65 Resp: 301332
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081515.D

Acq: 21 Mar 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

50297DL

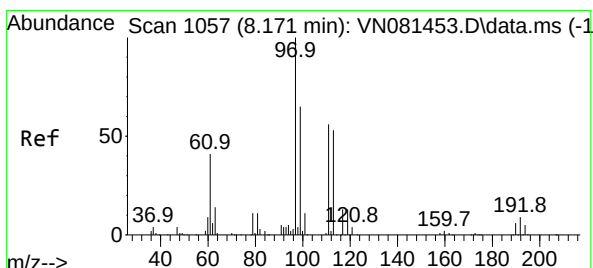
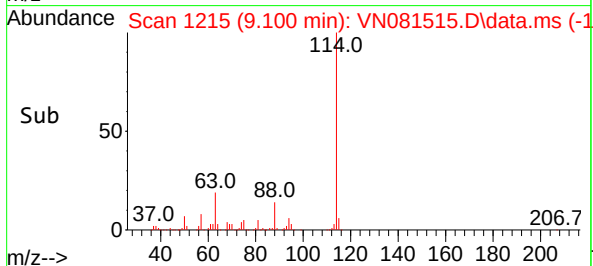
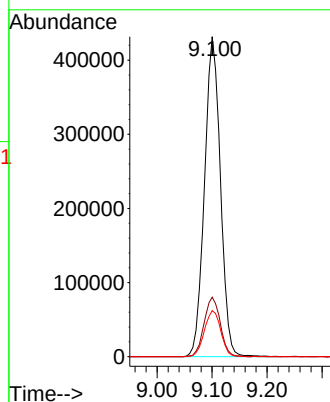
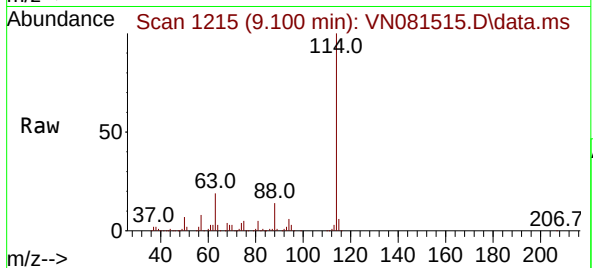
Tgt Ion:114 Resp: 868860

Ion Ratio Lower Upper

114 100

63 18.6 0.0 48.0

88 14.4 0.0 34.8



#35

Dibromofluoromethane

Concen: 46.954 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN081515.D

Acq: 21 Mar 2024 13:27

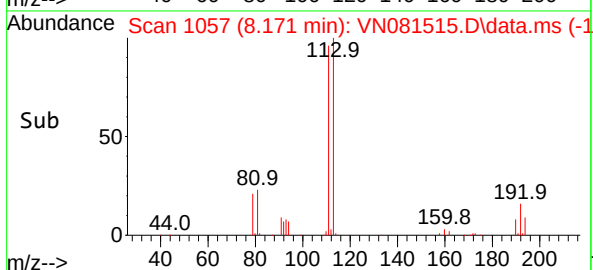
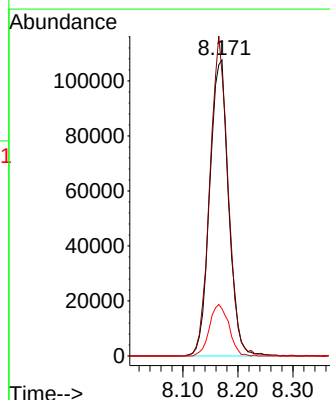
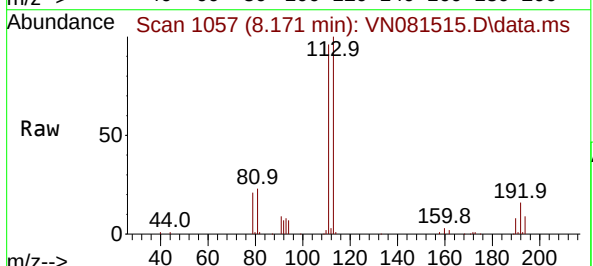
Tgt Ion:113 Resp: 257465

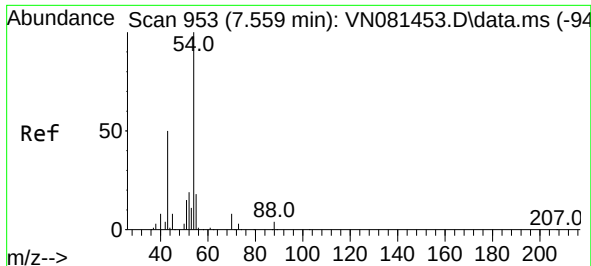
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 17.8 12.5 18.7

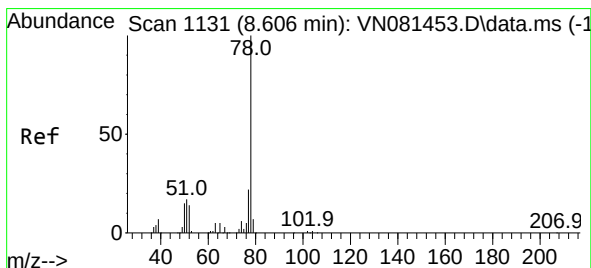
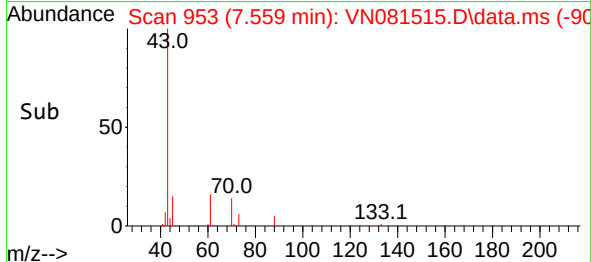
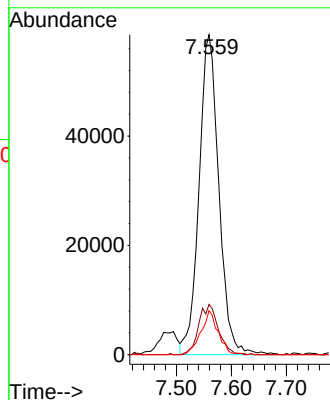
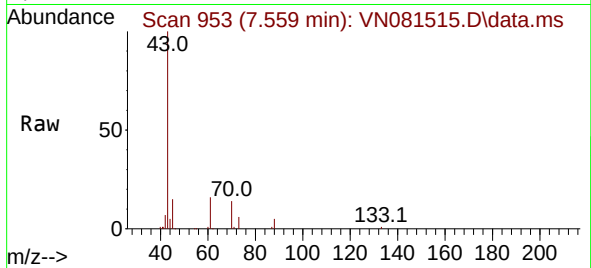




#37
Ethyl Acetate
Concen: 18.566 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

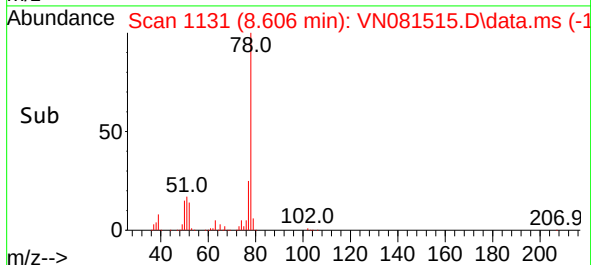
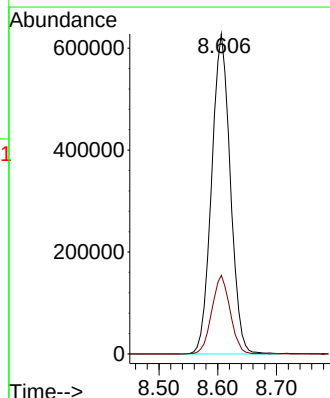
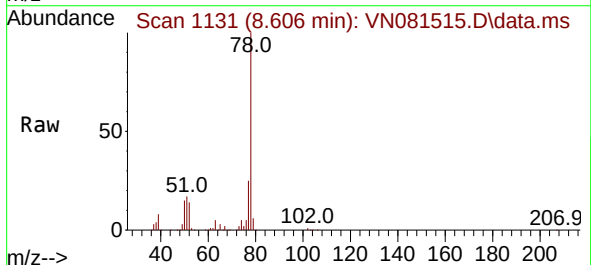
Instrument :
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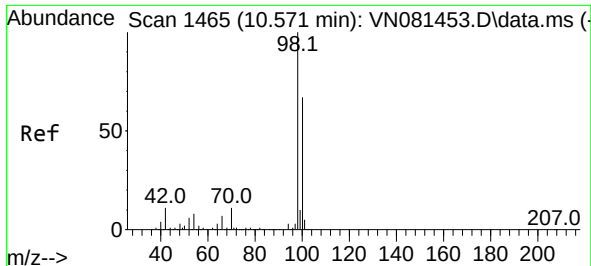
Tgt Ion: 43 Resp: 146702
Ion Ratio Lower Upper
43 100
61 15.5 10.6 15.8
70 12.0 8.0 12.0



#40
Benzene
Concen: 51.414 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion: 78 Resp: 1387065
Ion Ratio Lower Upper
78 100
77 24.6 20.4 30.6

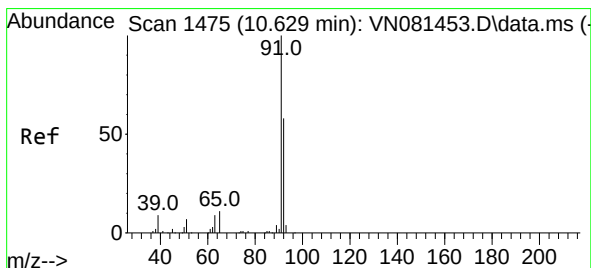
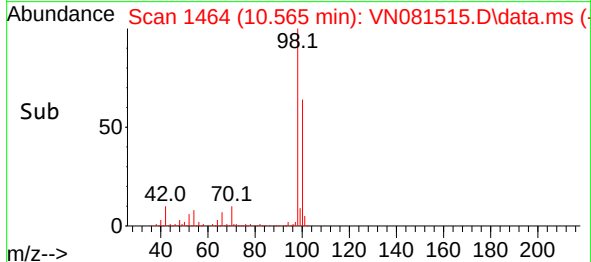
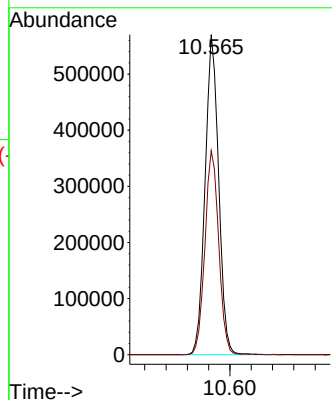
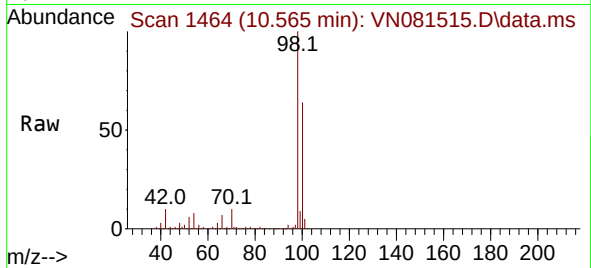




#50
Toluene-d8
Concen: 50.674 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

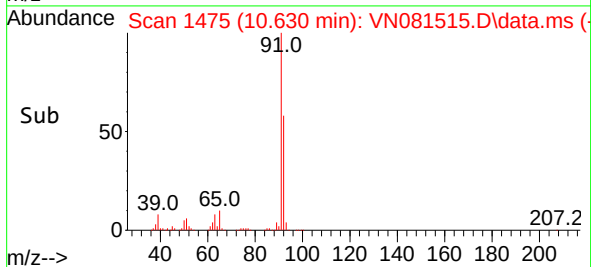
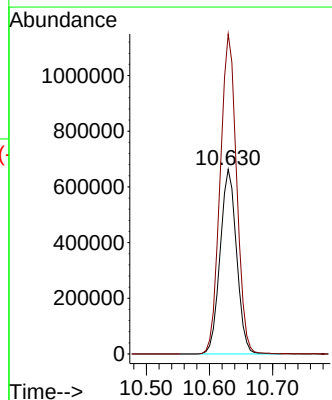
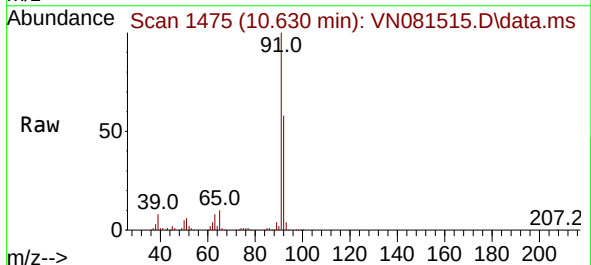
Instrument :
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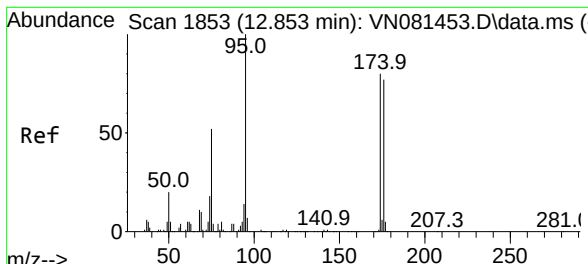
Tgt Ion: 98 Resp: 1004456
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#52
Toluene
Concen: 69.893 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion: 92 Resp: 1198485
Ion Ratio Lower Upper
92 100
91 173.6 139.4 209.0

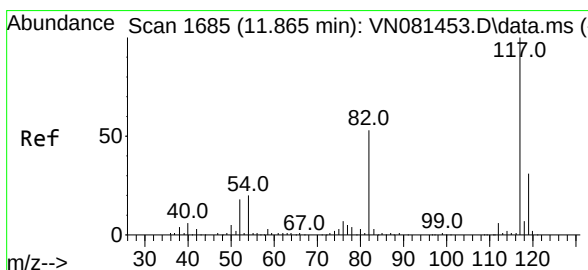
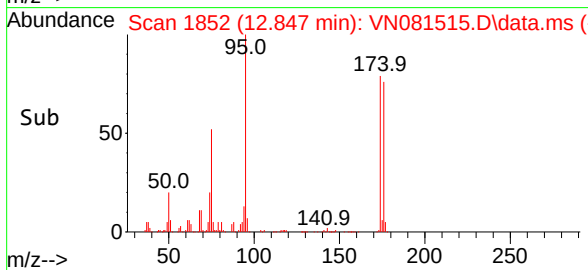
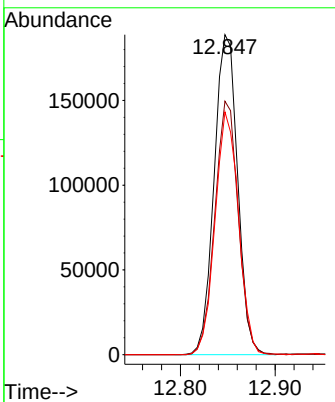
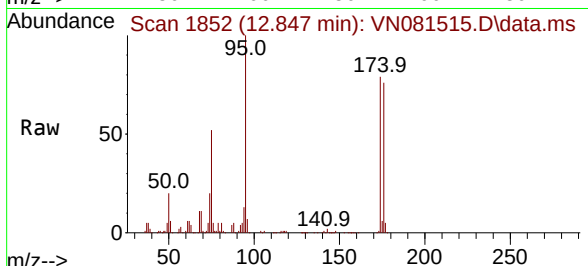




#62
 4-Bromofluorobenzene
 Concen: 46.549 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: VN081515.D
 Acq: 21 Mar 2024 13:27

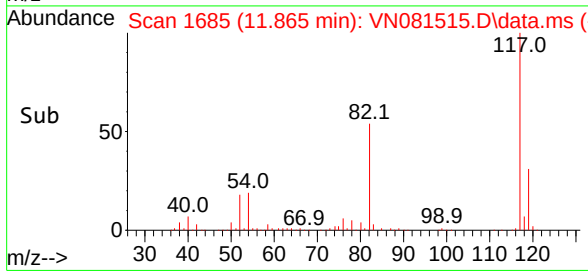
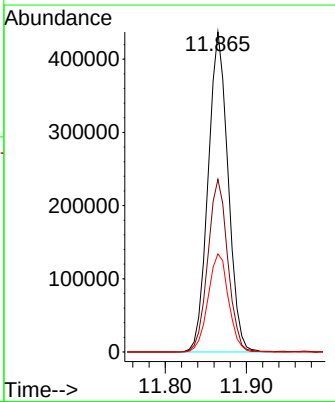
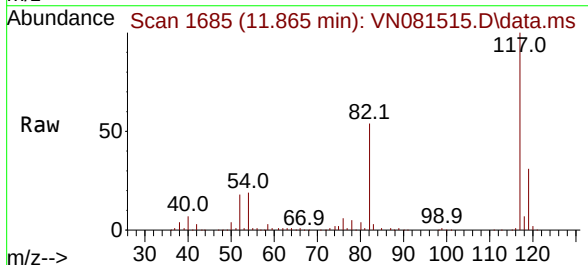
Instrument :
 MSVOA_N
 ClientSampleId :
 50297DL

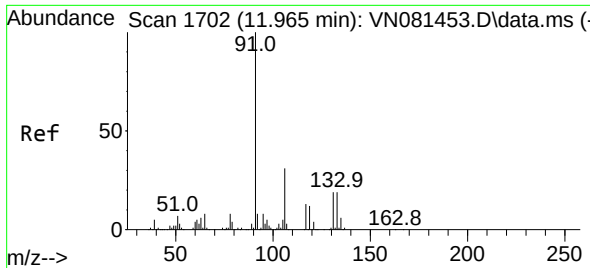
Tgt Ion:	95	Resp:	325120
Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	120.4
176	76.1	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081515.D
 Acq: 21 Mar 2024 13:27

Tgt Ion:	117	Resp:	746492
Ion	Ratio	Lower	Upper
117	100		
82	53.9	52.7	79.1
119	30.7	25.3	37.9

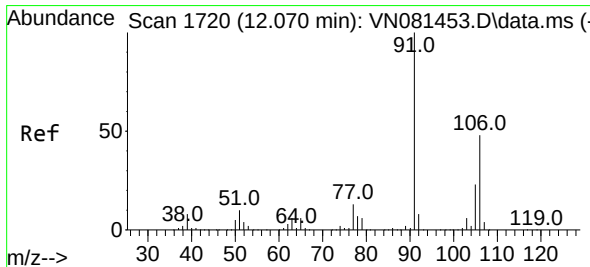
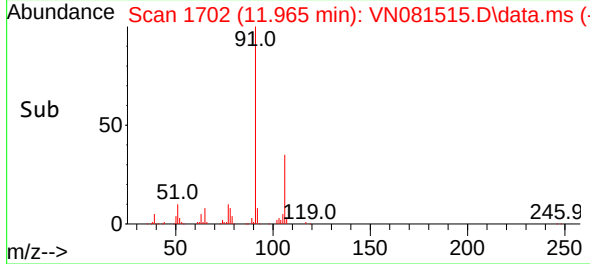
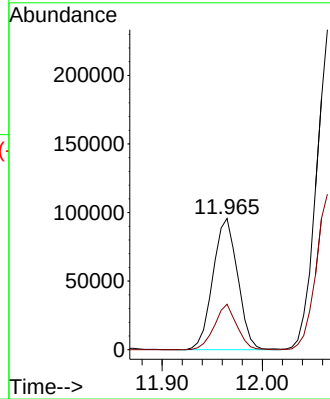
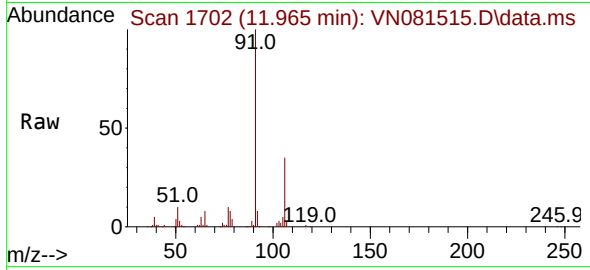




#67
Ethyl Benzene
Concen: 5.365 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

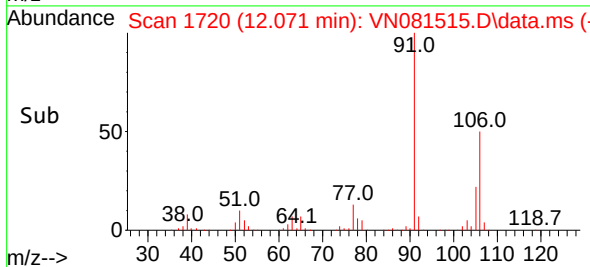
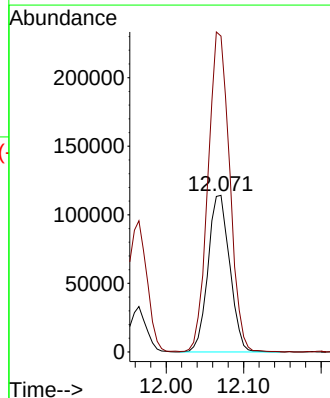
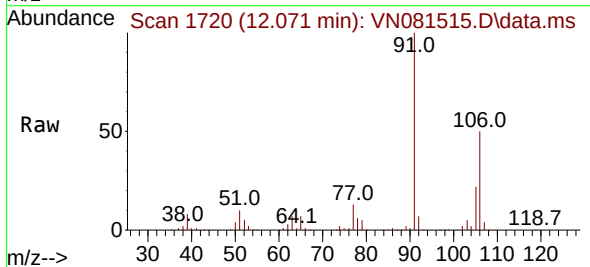
Instrument :
MSVOA_N
ClientSampleId :
50297DL

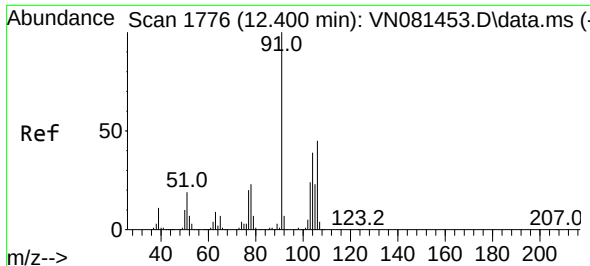
Tgt Ion: 91 Resp: 164445
Ion Ratio Lower Upper
91 100
106 34.6 23.8 35.6



#68
m/p-Xylenes
Concen: 19.367 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion:106 Resp: 222559
Ion Ratio Lower Upper
106 100
91 203.4 169.0 253.6

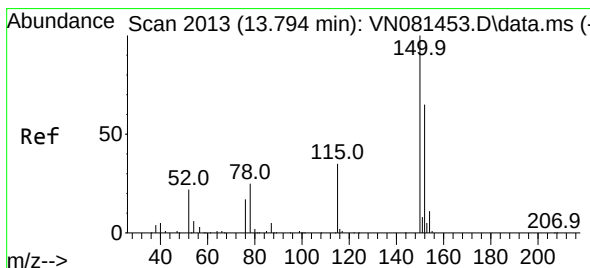
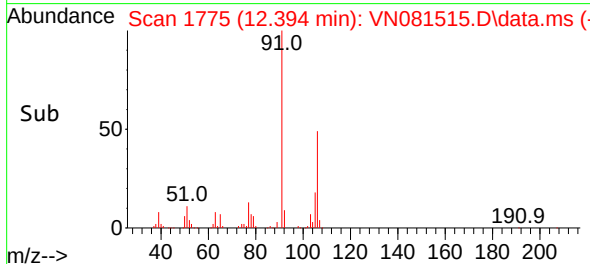
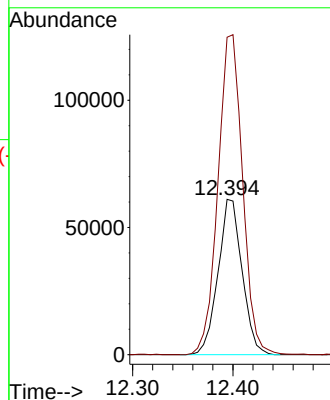
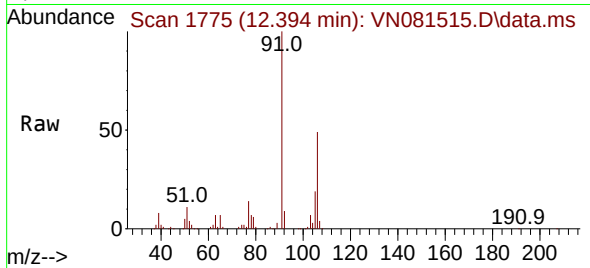




#69
o-Xylene
Concen: 9.022 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

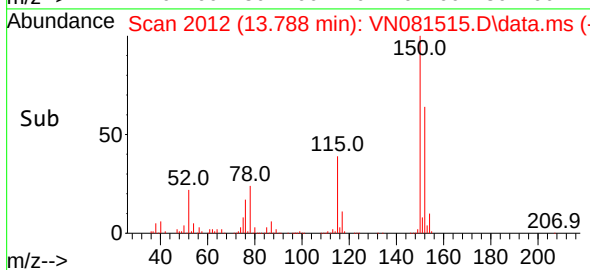
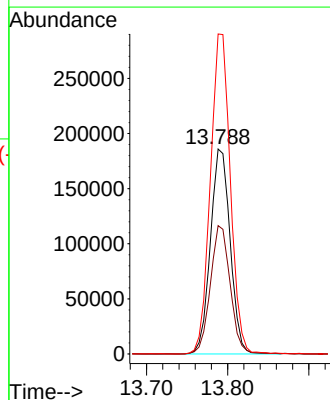
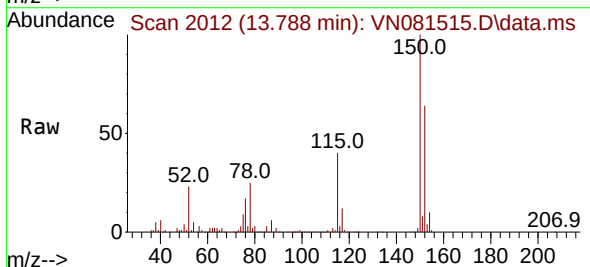
Instrument :
MSVOA_N
ClientSampleId :
50297DL

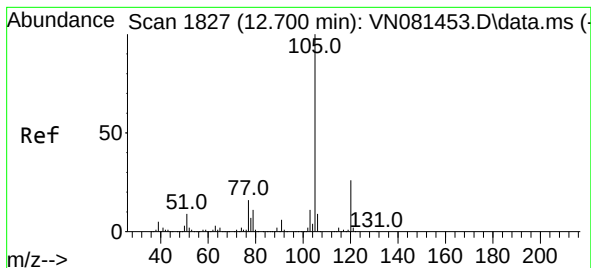
Tgt Ion:106 Resp: 101779
Ion Ratio Lower Upper
106 100
91 211.2 112.1 336.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN081515.D
Acq: 21 Mar 2024 13:27

Tgt Ion:152 Resp: 314193
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.8 0.0 339.8





#73

Isopropylbenzene

Concen: 0.461 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN081515.D

Acq: 21 Mar 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

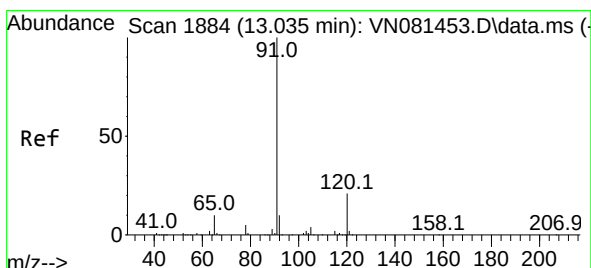
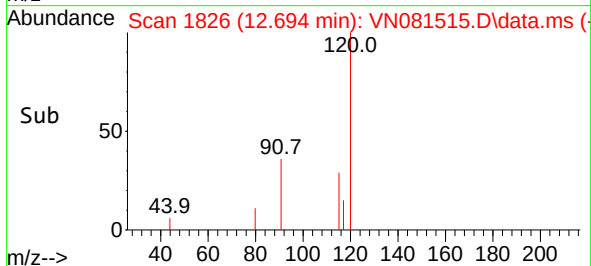
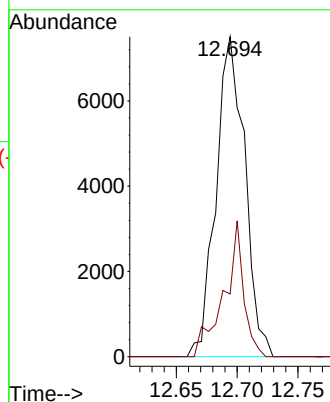
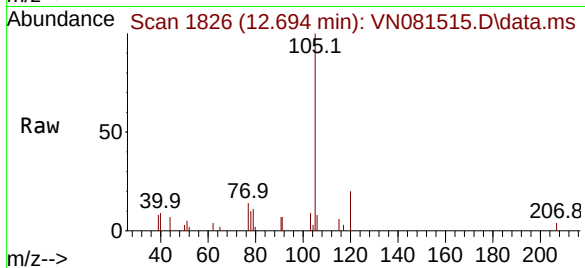
50297DL

Tgt Ion:105 Resp: 12351

Ion Ratio Lower Upper

105 100

120 29.1 12.6 37.6



#78

n-propylbenzene

Concen: 1.118 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN081515.D

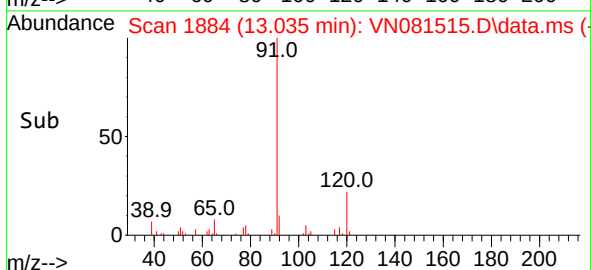
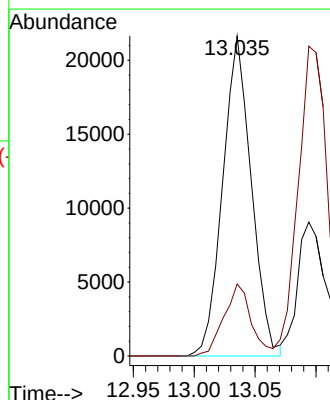
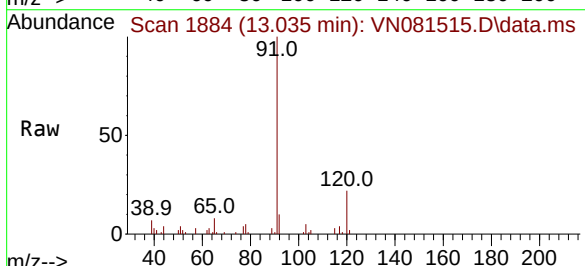
Acq: 21 Mar 2024 13:27

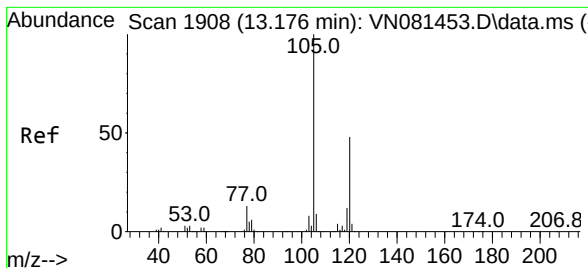
Tgt Ion: 91 Resp: 35362

Ion Ratio Lower Upper

91 100

120 21.5 10.3 30.9

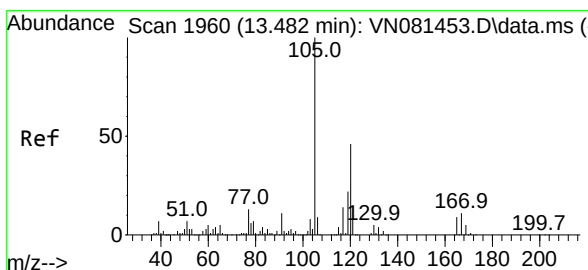
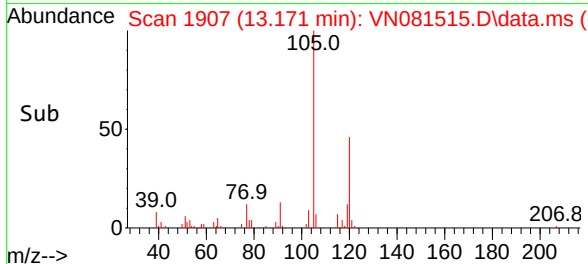
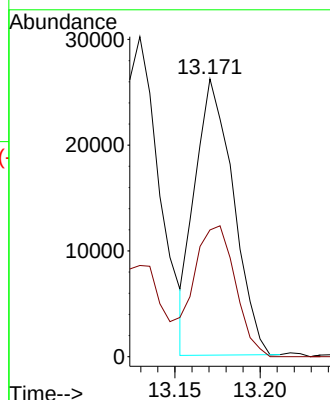
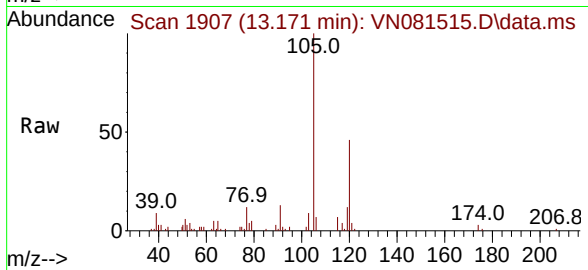




#80
 1,3,5-Trimethylbenzene
 Concen: 1.846 ug/l
 RT: 13.171 min Scan# 1908
 Delta R.T. -0.006 min
 Lab File: VN081515.D
 Acq: 21 Mar 2024 13:27

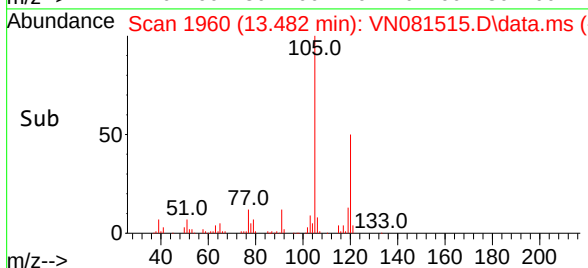
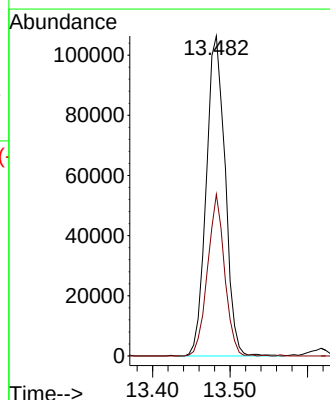
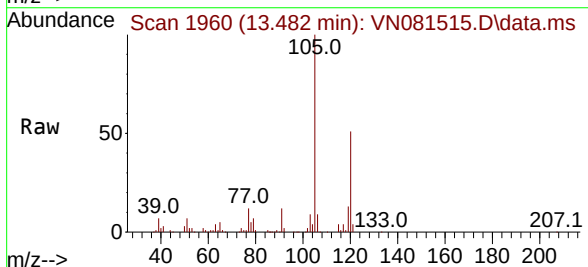
Instrument :
 MSVOA_N
 ClientSampleId :
 50297DL

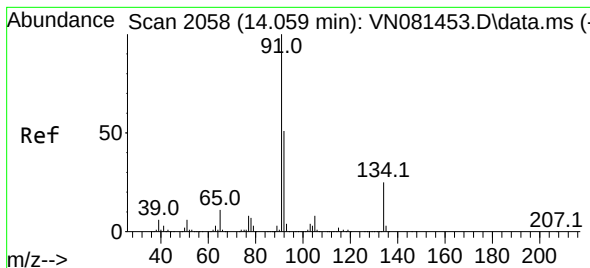
Tgt Ion:105 Resp: 40832
 Ion Ratio Lower Upper
 105 100
 120 52.9 23.0 69.0



#84
 1,2,4-Trimethylbenzene
 Concen: 8.078 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN081515.D
 Acq: 21 Mar 2024 13:27

Tgt Ion:105 Resp: 179598
 Ion Ratio Lower Upper
 105 100
 120 45.7 20.9 62.7





#89

n-Butylbenzene

Concen: 0.274 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN081515.D

Acq: 21 Mar 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

50297DL

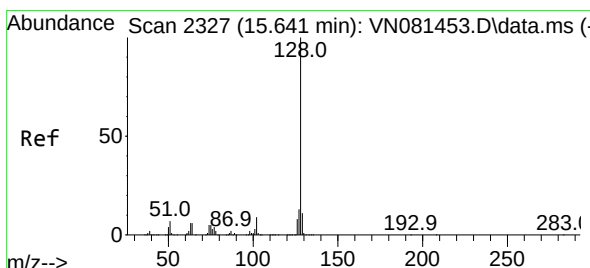
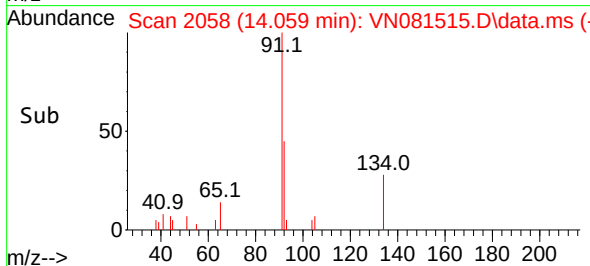
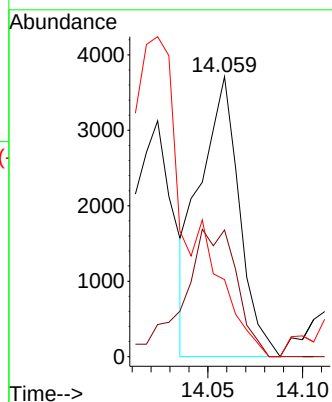
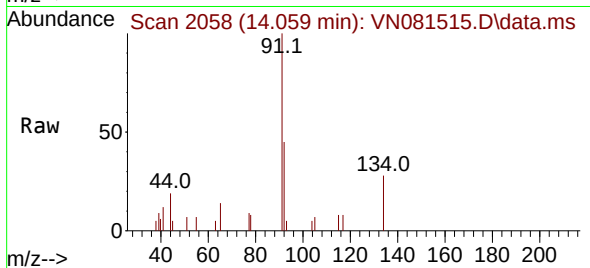
Tgt Ion: 91 Resp: 5412

Ion Ratio Lower Upper

91 100

92 59.3 26.7 80.1

134 0.0 10.8 32.4#



#95

Naphthalene

Concen: 1.301 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081515.D

Acq: 21 Mar 2024 13:27

Tgt Ion:128 Resp: 28525

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 11.8 8.7 13.1

