

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086519.D
 Acq On : 06 May 2025 16:59
 Operator : JC\MD
 Sample : Q1914-07ME
 Misc : 7.59g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-6ME

Quant Time: May 07 02:56:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

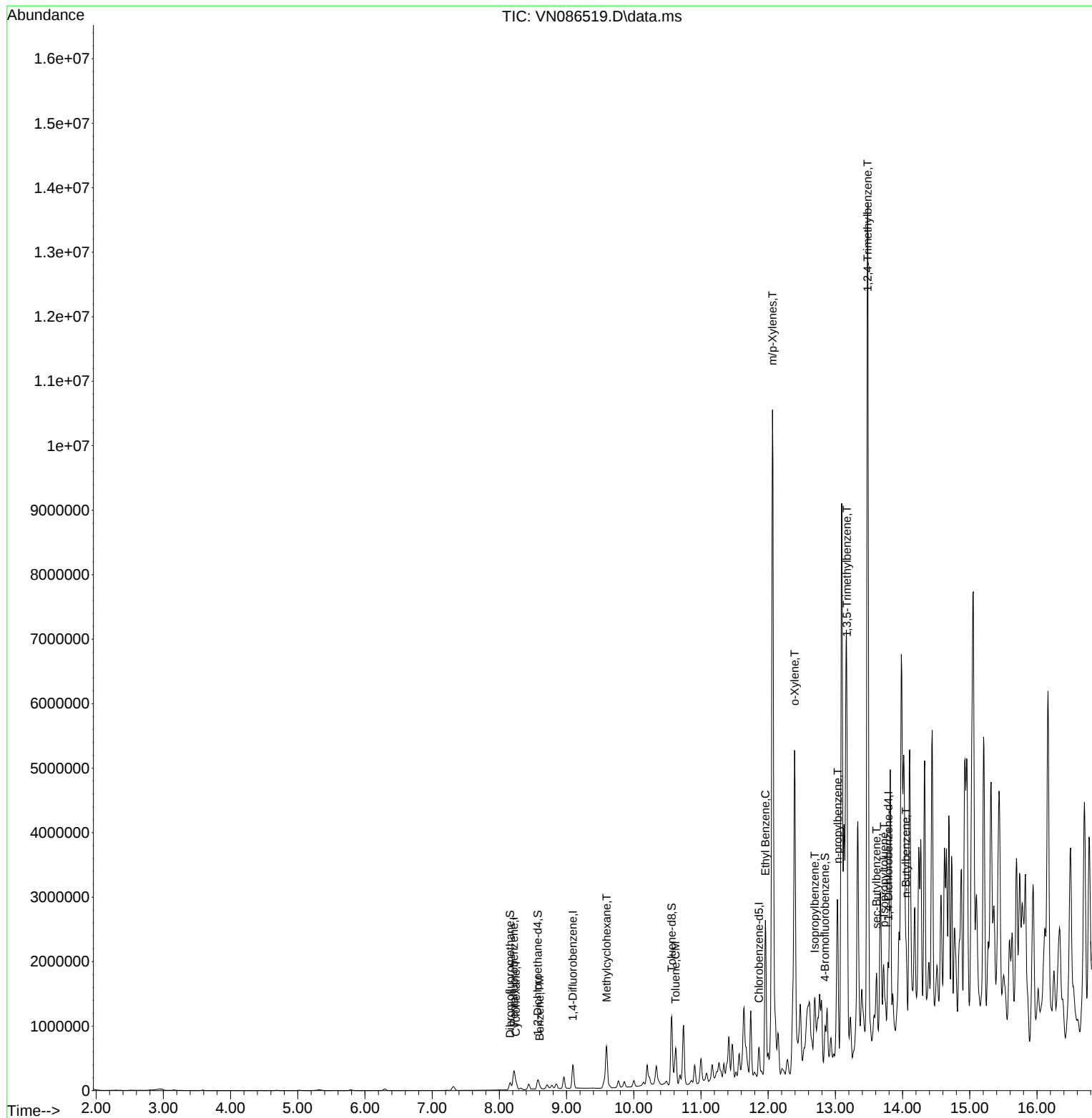
Internal Standards						
1) Pentafluorobenzene	8.218	168	172187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	322534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	117457	47.042	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.080%
35) Dibromofluoromethane	8.159	113	82992	55.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.880%
50) Toluene-d8	10.565	98	439219	54.900	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.800%
62) 4-Bromofluorobenzene	12.847	95	164685	56.437	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.880%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.247	56	73527	18.171	ug/l	98
39) Methylcyclohexane	9.594	83	296564	83.451	ug/l	96
40) Benzene	8.600	78	42296	4.415	ug/l	99
52) Toluene	10.624	92	237878	39.797	ug/l	100
67) Ethyl Benzene	11.959	91	1692072	133.903	ug/l	99
68) m/p-Xylenes	12.065	106	2554571	539.524	ug/l	95
69) o-Xylene	12.394	106	1269875	271.196	ug/l	99
73) Isopropylbenzene	12.694	105	534249	43.924	ug/l	99
78) n-propylbenzene	13.035	91	1795650	125.285	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	2021306	203.043	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	7609323	750.921	ug/l	96
85) sec-Butylbenzene	13.612	105	623822	52.139	ug/l	84
86) p-Isopropyltoluene	13.723	119	360128	36.517	ug/l	97
89) n-Butylbenzene	14.053	91	782899	89.563	ug/l #	83

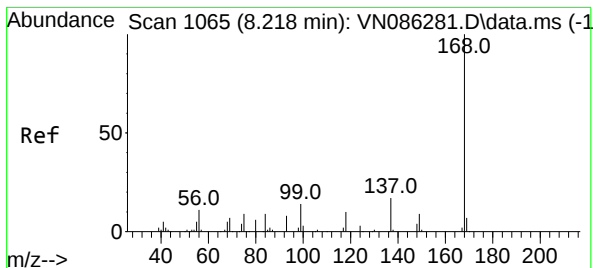
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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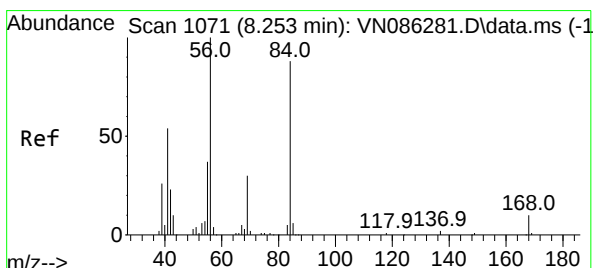
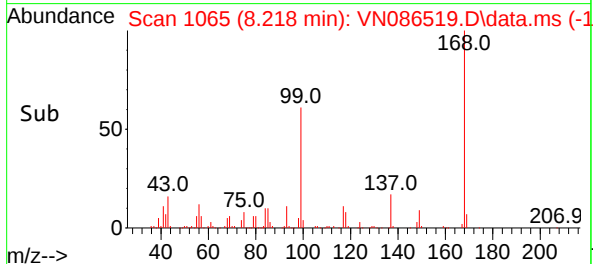
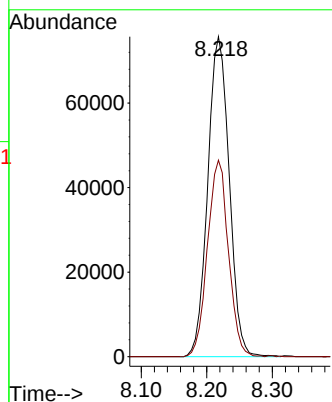
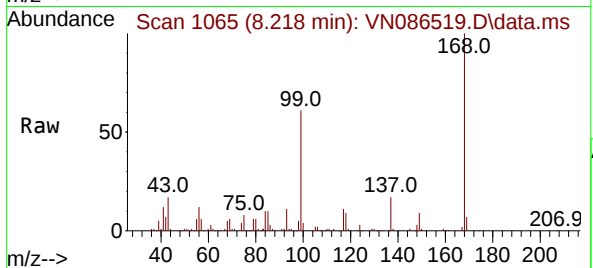




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

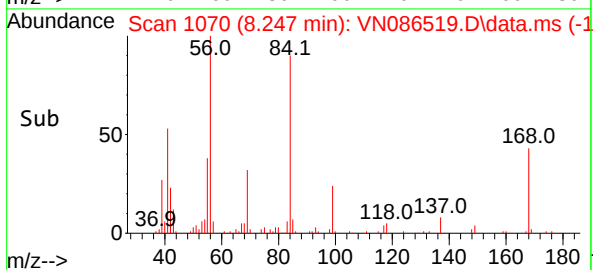
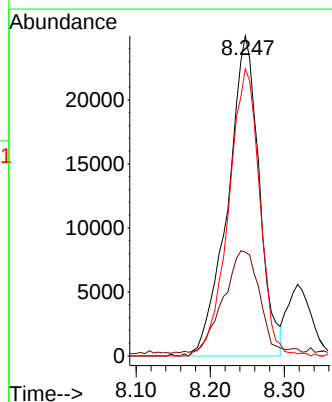
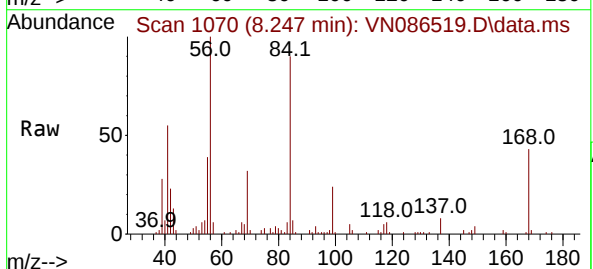
Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

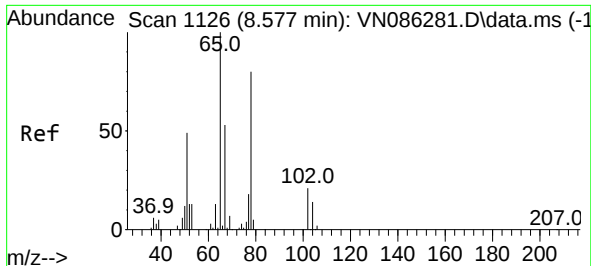
Tgt Ion:168 Resp: 172187
Ion Ratio Lower Upper
168 100
99 61.4 52.5 78.7



#31
Cyclohexane
Concen: 18.171 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion: 56 Resp: 73527
Ion Ratio Lower Upper
56 100
69 31.4 24.2 36.2
84 89.7 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 47.042 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086519.D

Acq: 06 May 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

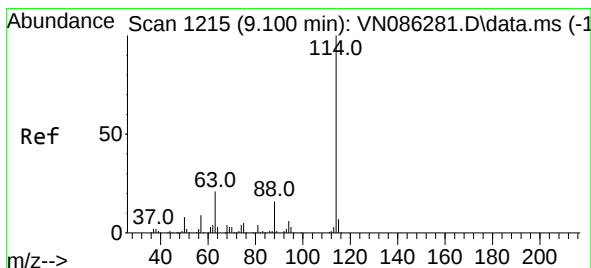
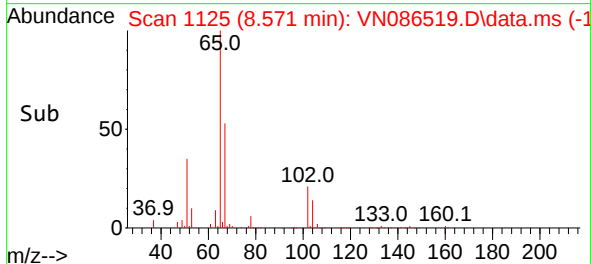
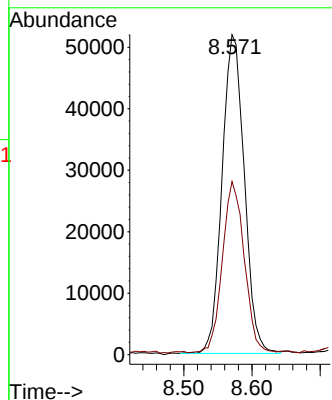
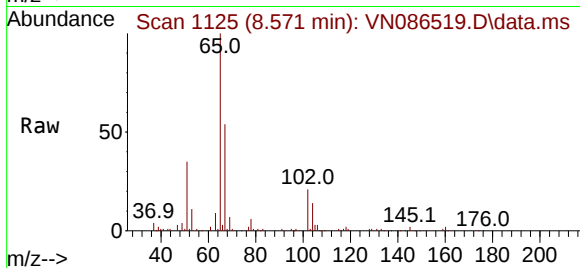
SS-6ME

Tgt Ion: 65 Resp: 117457

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086519.D

Acq: 06 May 2025 16:59

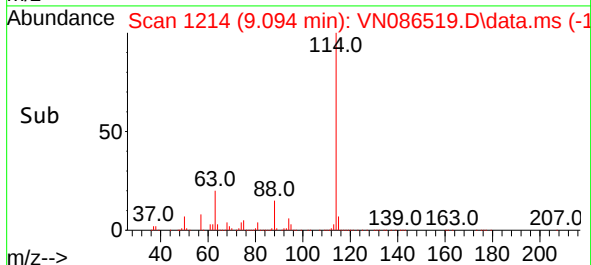
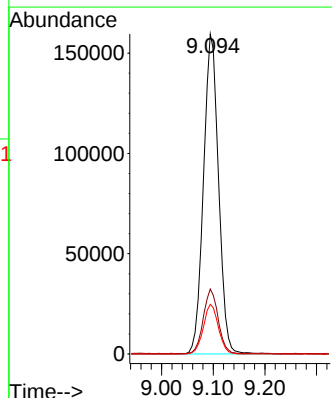
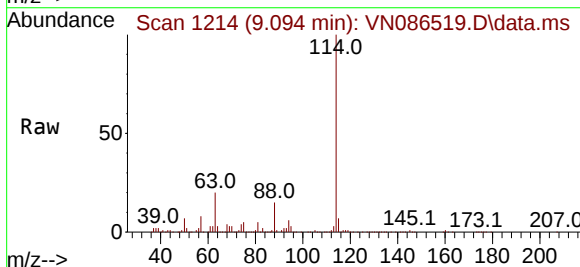
Tgt Ion: 114 Resp: 322534

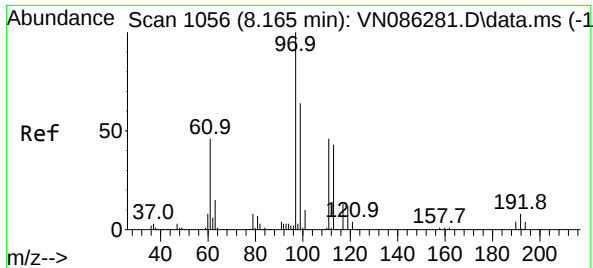
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.5 0.0 31.8

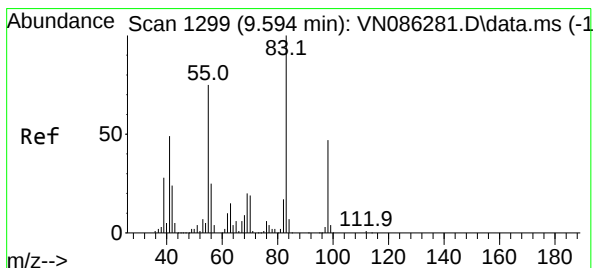
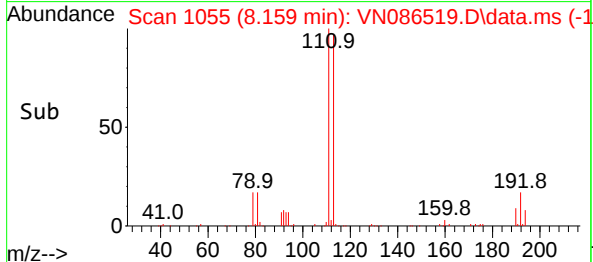
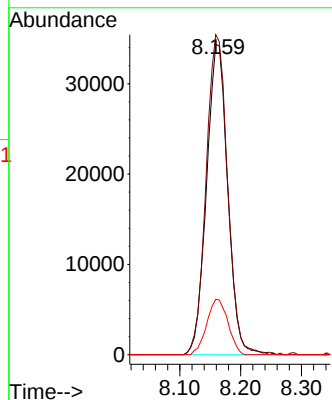
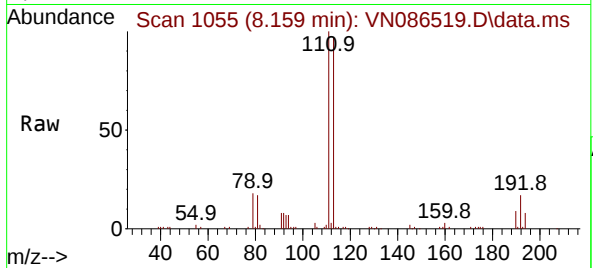




#35
Dibromofluoromethane
Concen: 55.442 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

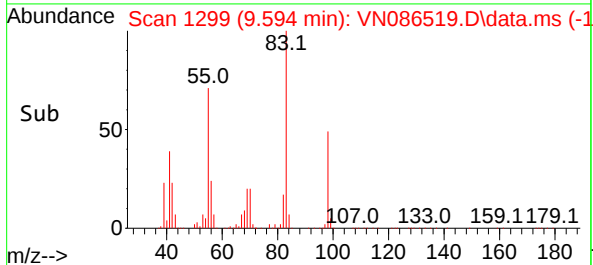
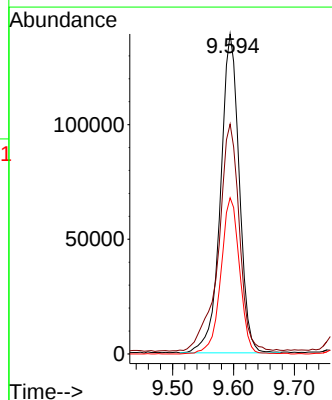
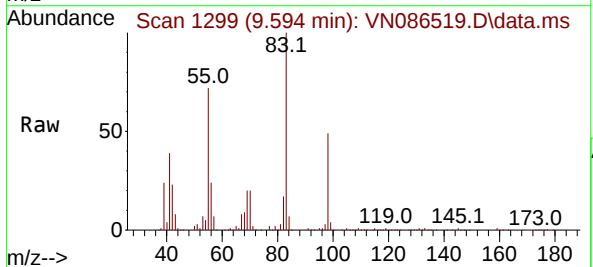
Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

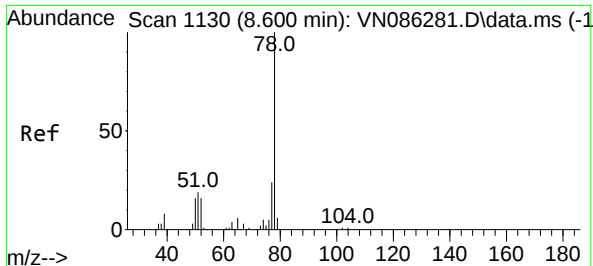
Tgt Ion:113 Resp: 82992
Ion Ratio Lower Upper
113 100
111 104.6 83.4 125.0
192 17.9 13.7 20.5



#39
Methylcyclohexane
Concen: 83.451 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion: 83 Resp: 296564
Ion Ratio Lower Upper
83 100
55 71.0 59.8 89.8
98 49.0 37.9 56.9

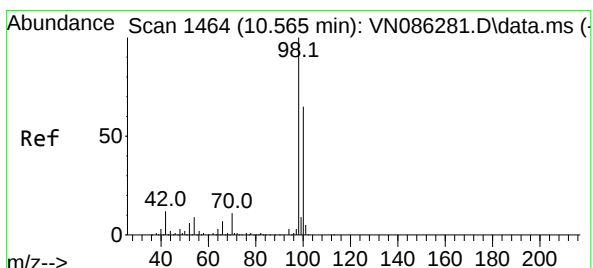
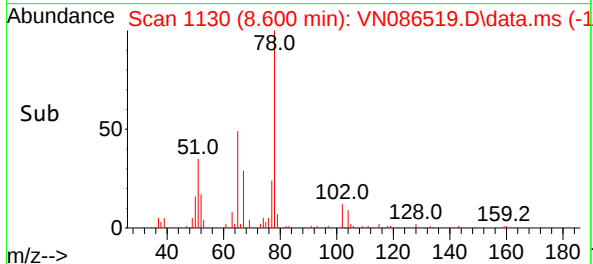
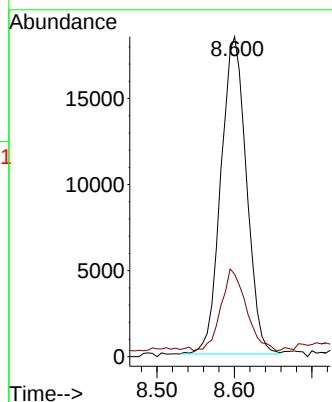
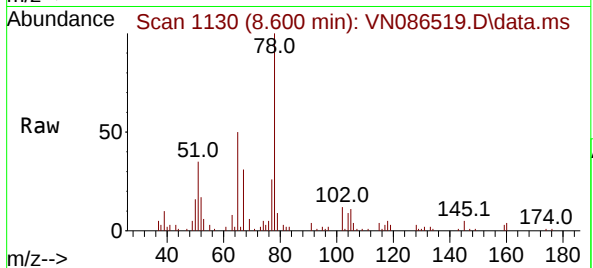




#40
Benzene
Concen: 4.415 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

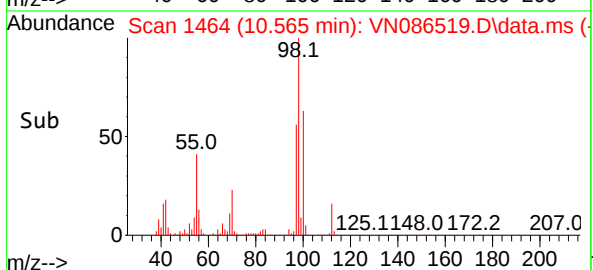
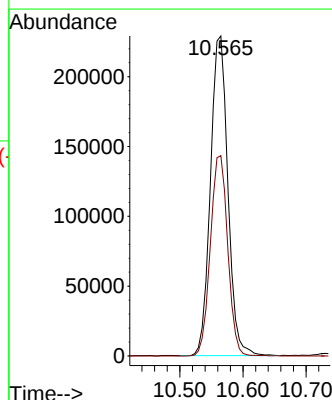
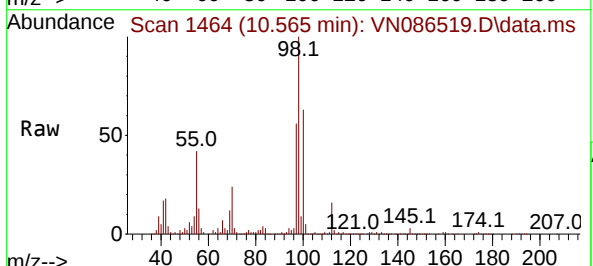
Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

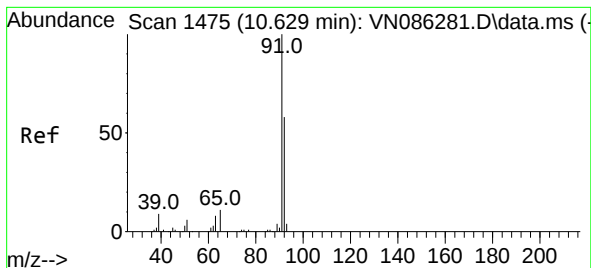
Tgt Ion: 78 Resp: 42296
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2



#50
Toluene-d8
Concen: 54.900 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion: 98 Resp: 439219
Ion Ratio Lower Upper
98 100
100 62.3 52.5 78.7





#52

Toluene

Concen: 39.797 ug/l

RT: 10.624 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN086519.D

Acq: 06 May 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

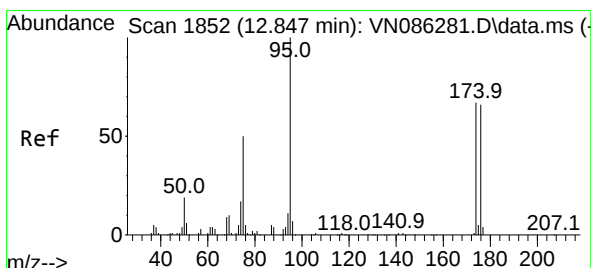
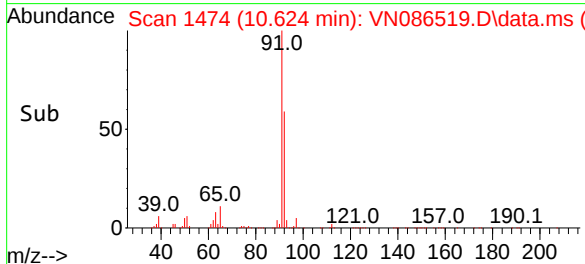
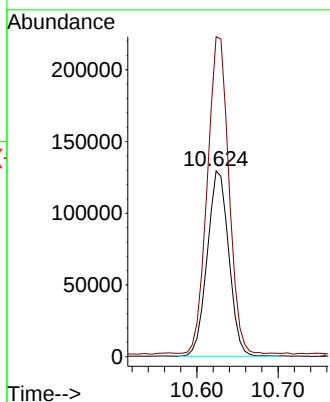
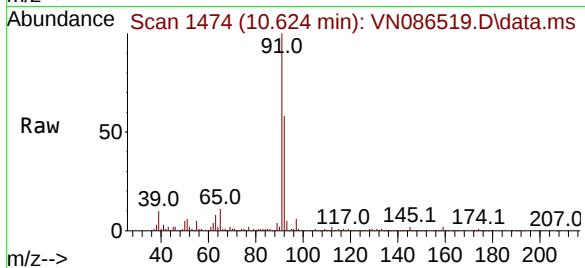
SS-6ME

Tgt Ion: 92 Resp: 237878

Ion Ratio Lower Upper

92 100

91 172.2 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 56.437 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086519.D

Acq: 06 May 2025 16:59

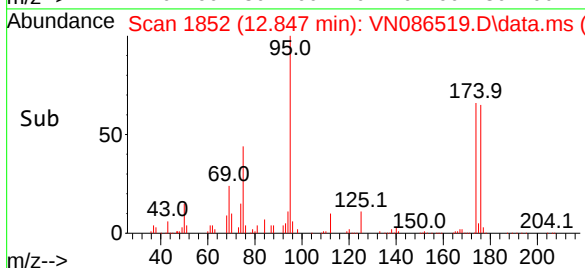
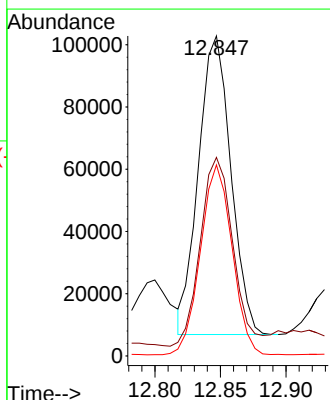
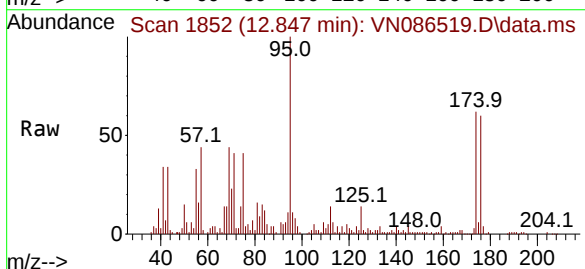
Tgt Ion: 95 Resp: 164685

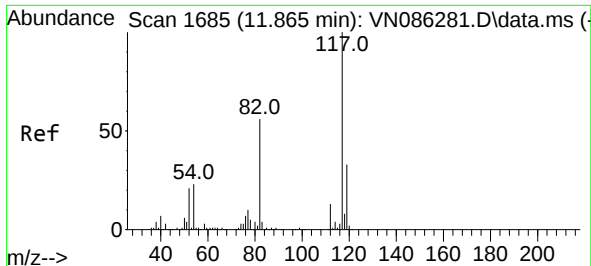
Ion Ratio Lower Upper

95 100

174 63.5 0.0 133.4

176 62.2 0.0 129.2

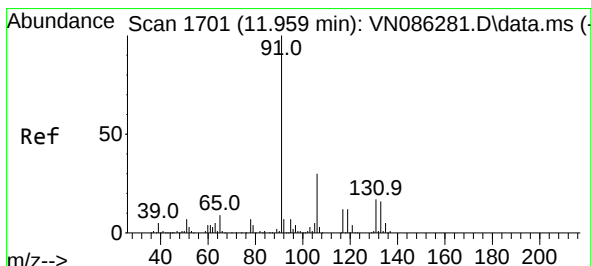
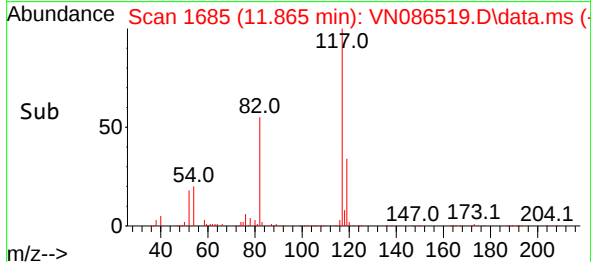
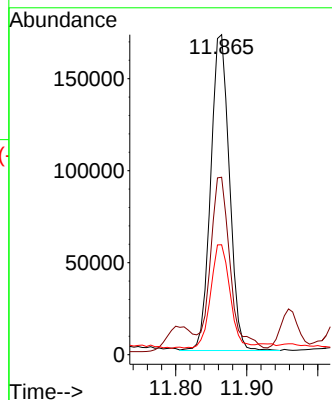
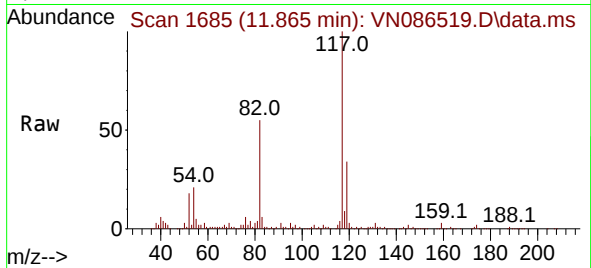




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

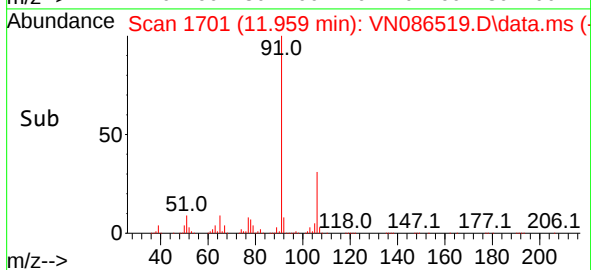
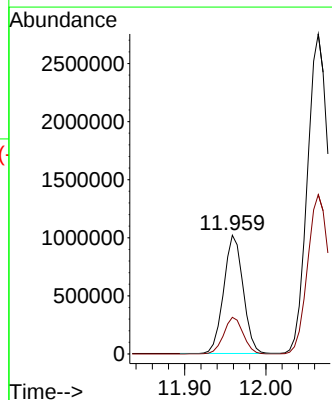
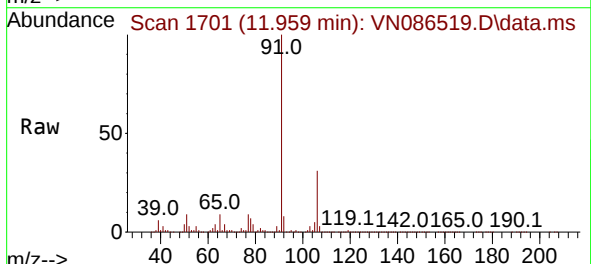
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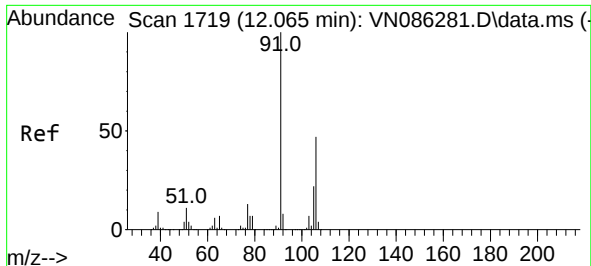
Tgt Ion:117 Resp: 313788
Ion Ratio Lower Upper
117 100
82 47.6 44.7 67.1
119 32.4 26.4 39.6



#67
Ethyl Benzene
Concen: 133.903 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion: 91 Resp: 1692072
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5

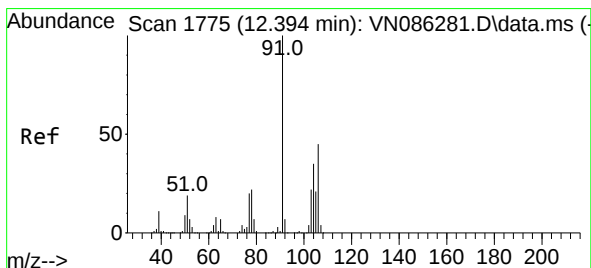
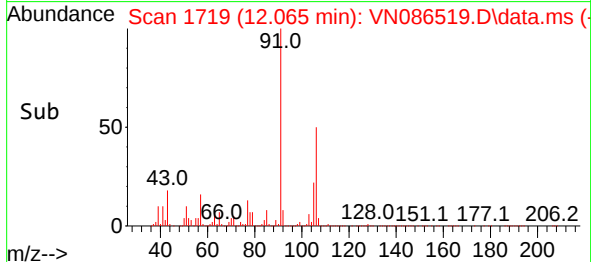
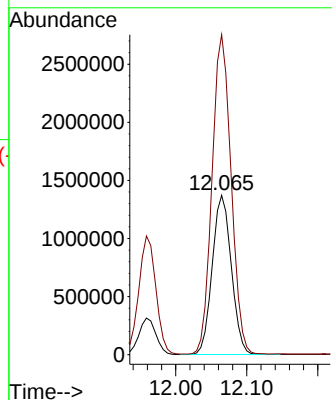
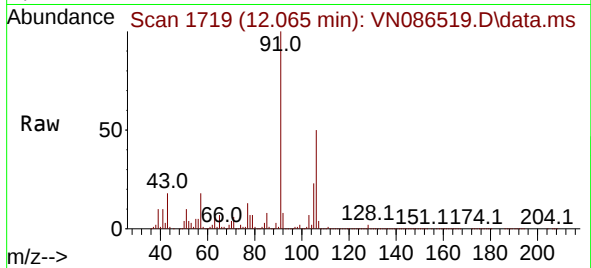




#68
m/p-Xylenes
Concen: 539.524 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

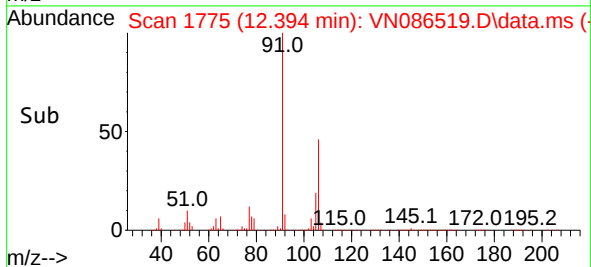
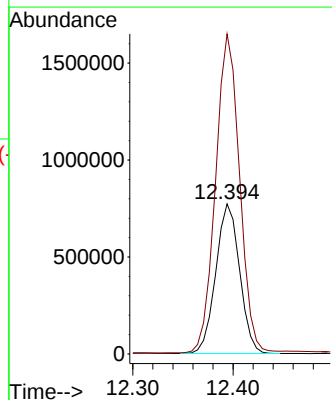
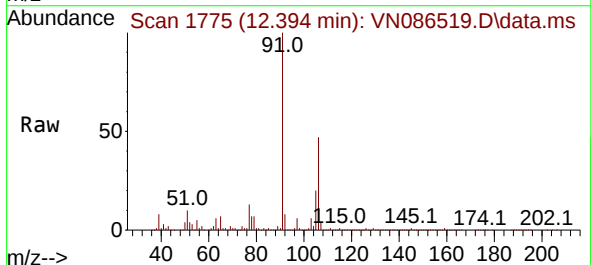
Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

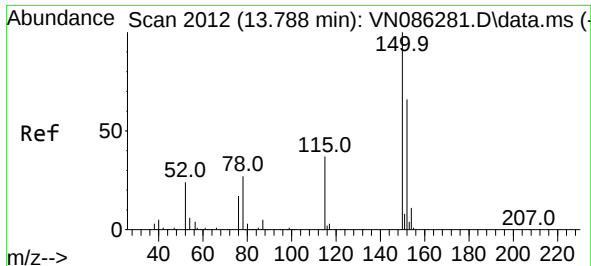
Tgt Ion:106 Resp: 2554571
Ion Ratio Lower Upper
106 100
91 200.0 166.5 249.7



#69
o-Xylene
Concen: 271.196 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion:106 Resp: 1269875
Ion Ratio Lower Upper
106 100
91 218.0 109.7 329.0

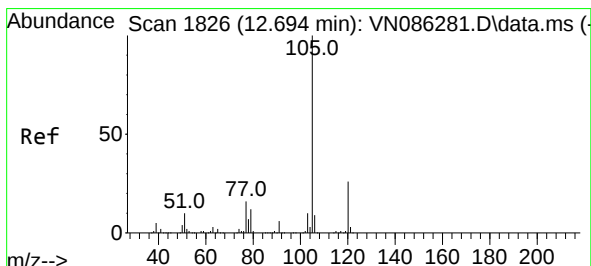
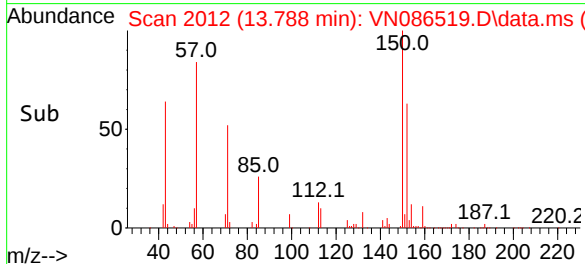
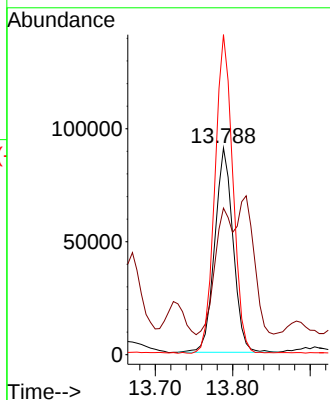
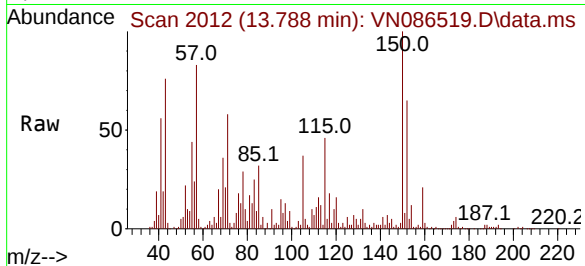




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086519.D
 Acq: 06 May 2025 16:59

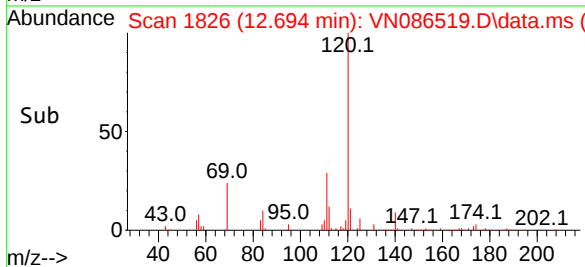
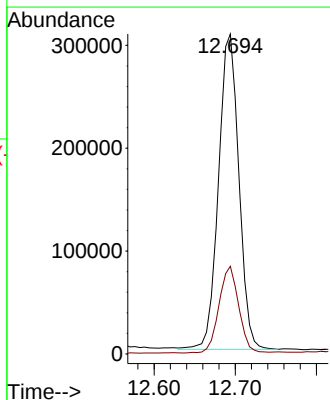
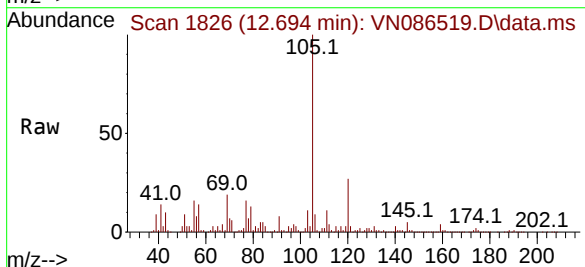
Instrument :
 MSVOA_N
 ClientSampleId :
 SS-6ME

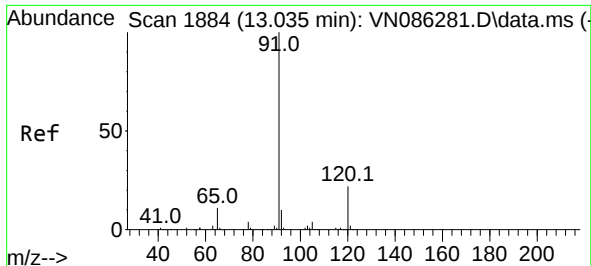
Tgt Ion:152 Resp: 148688
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.9 95.9
 150 152.2 0.0 352.0



#73
 Isopropylbenzene
 Concen: 43.924 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. -0.000 min
 Lab File: VN086519.D
 Acq: 06 May 2025 16:59

Tgt Ion:105 Resp: 534249
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.1 39.3

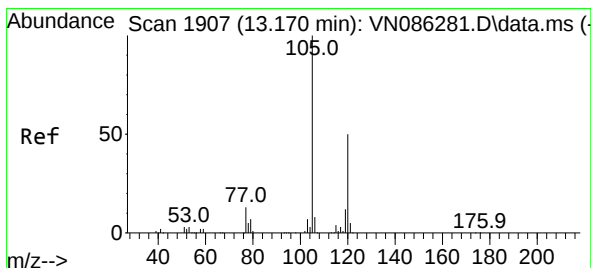
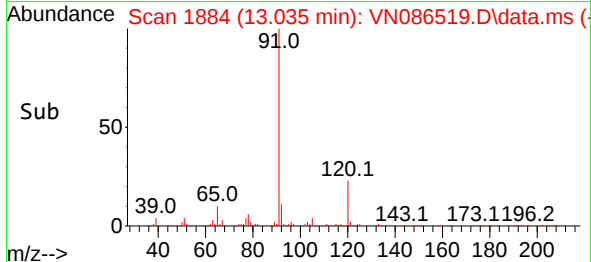
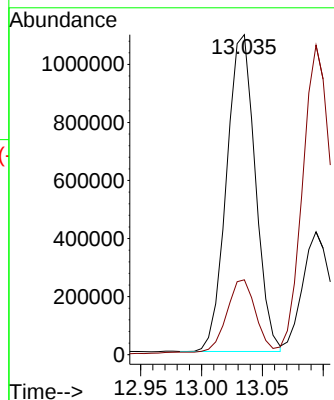
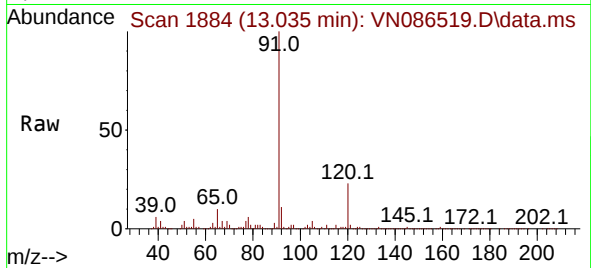




#78
n-propylbenzene
Concen: 125.285 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

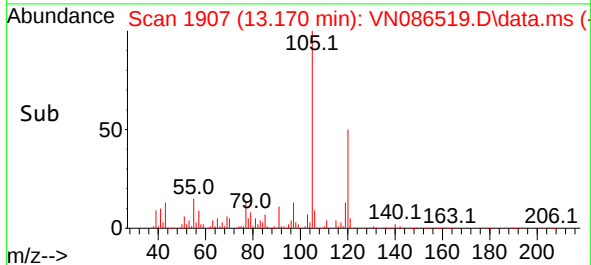
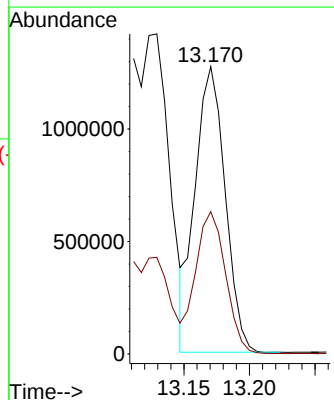
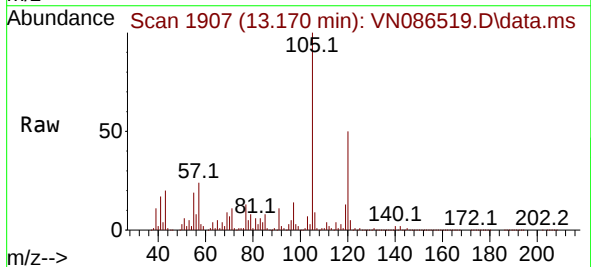
Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

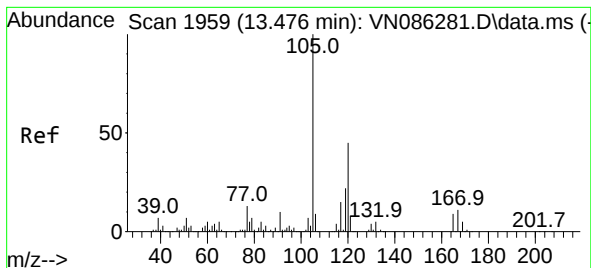
Tgt Ion: 91 Resp: 1795650
Ion Ratio Lower Upper
91 100
120 25.1 11.1 33.3



#80
1,3,5-Trimethylbenzene
Concen: 203.043 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion:105 Resp: 2021306
Ion Ratio Lower Upper
105 100
120 50.1 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 750.921 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086519.D

Acq: 06 May 2025 16:59

Instrument :

MSVOA_N

ClientSampleId :

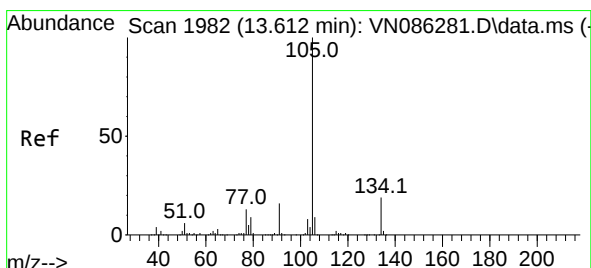
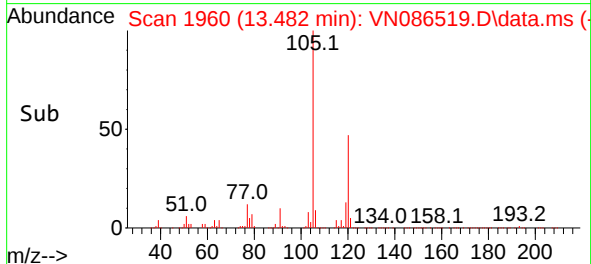
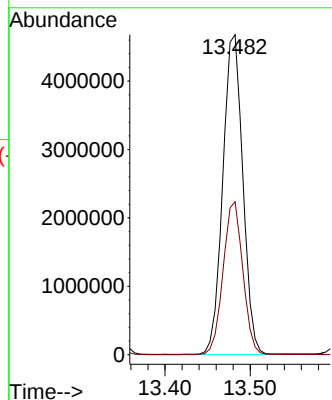
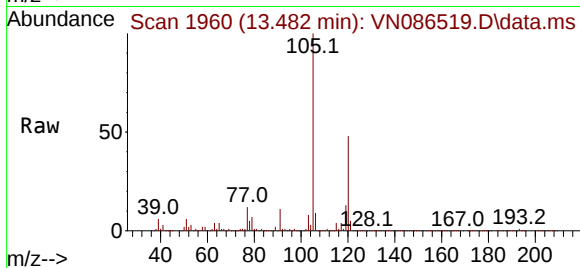
SS-6ME

Tgt Ion:105 Resp: 7609323

Ion Ratio Lower Upper

105 100

120 47.2 22.4 67.3



#85

sec-Butylbenzene

Concen: 52.139 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086519.D

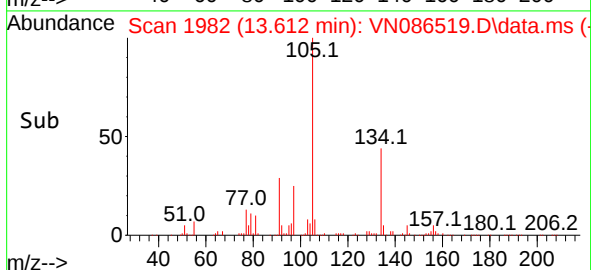
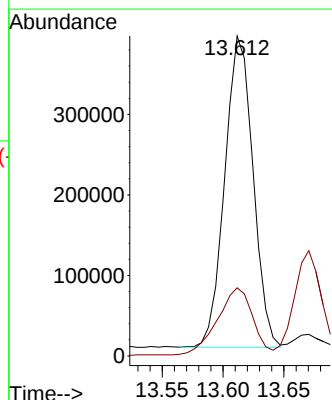
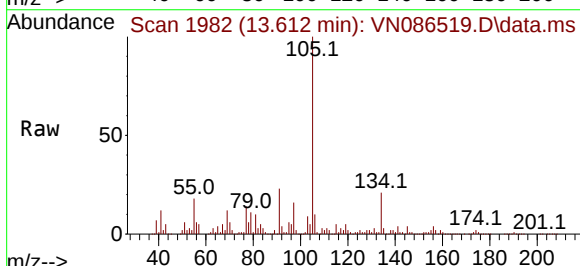
Acq: 06 May 2025 16:59

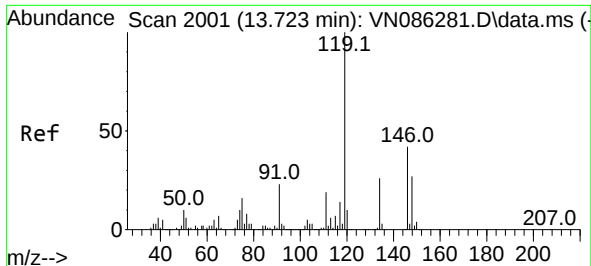
Tgt Ion:105 Resp: 623822

Ion Ratio Lower Upper

105 100

134 26.8 9.7 29.1

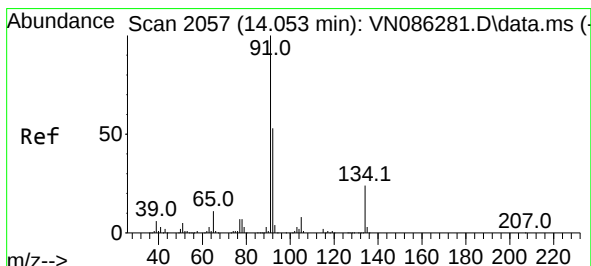
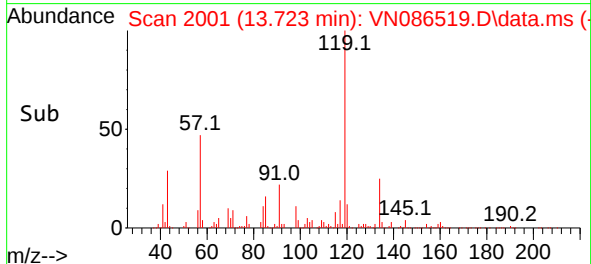
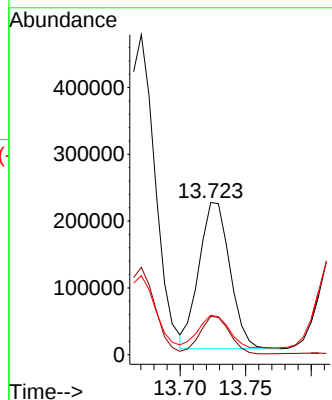
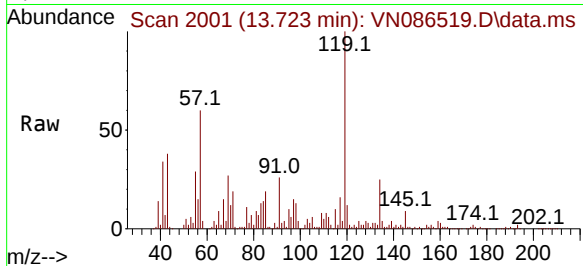




#86
p-Isopropyltoluene
Concen: 36.517 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Instrument :
MSVOA_N
ClientSampleId :
SS-6ME

Tgt Ion:119 Resp: 360128
Ion Ratio Lower Upper
119 100
134 24.6 13.1 39.1
91 22.0 11.9 35.9



#89
n-Butylbenzene
Concen: 89.563 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086519.D
Acq: 06 May 2025 16:59

Tgt Ion: 91 Resp: 782899
Ion Ratio Lower Upper
91 100
92 55.5 26.8 80.4
134 0.0 12.2 36.6#

