

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086302.D
 Acq On : 16 Apr 2025 17:15
 Operator : JC\MD
 Sample : Q1760-07ME
 Misc : 5.85g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15-VOCME

Quant Time: Apr 17 03:08:08 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)

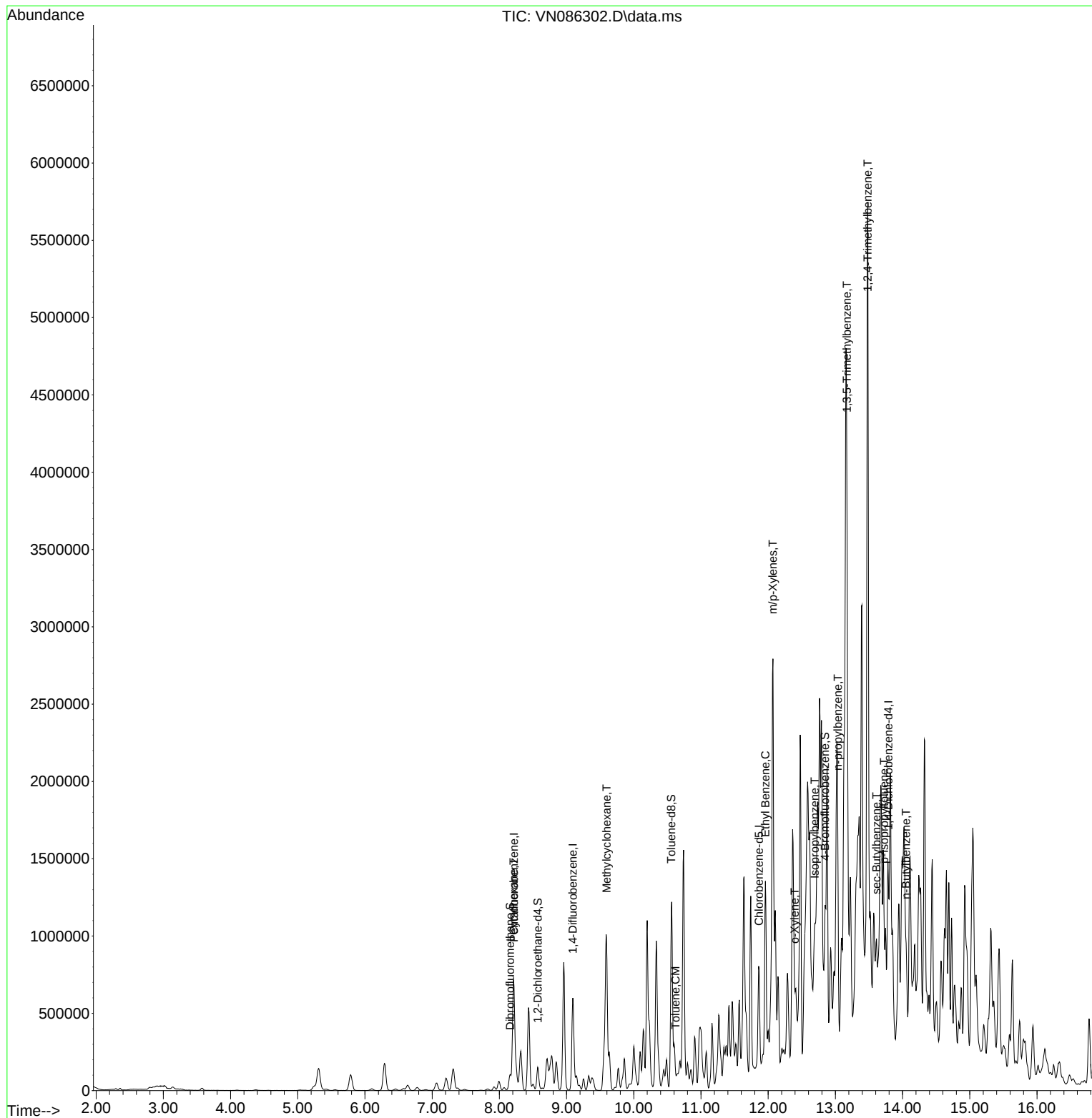
Internal Standards						
1) Pentafluorobenzene	8.218	168	165485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	323576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	120040	50.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	8.159	113	72295	48.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.280%			
50) Toluene-d8	10.559	98	448425	55.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.740%			
62) 4-Bromofluorobenzene	12.847	95	196521	67.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 134.260%#			
Target Compounds						Qvalue
31) Cyclohexane	8.212	56	154025	39.606	ug/l #	51
39) Methylcyclohexane	9.594	83	404789	113.538	ug/l	95
52) Toluene	10.624	92	6509	1.085	ug/l	89
67) Ethyl Benzene	11.959	91	757754	60.477	ug/l	99
68) m/p-Xylenes	12.071	106	355813	75.789	ug/l	100
69) o-Xylene	12.394	106	11742	2.529	ug/l	85
73) Isopropylbenzene	12.694	105	196694	15.779	ug/l	99
78) n-propylbenzene	13.035	91	957828	65.207	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	604442	59.244	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	3006855	289.529	ug/l	99
85) sec-Butylbenzene	13.612	105	158769	12.948	ug/l #	60
86) p-Isopropyltoluene	13.723	119	83837	8.295	ug/l	99
89) n-Butylbenzene	14.053	91	519738	58.015	ug/l #	64

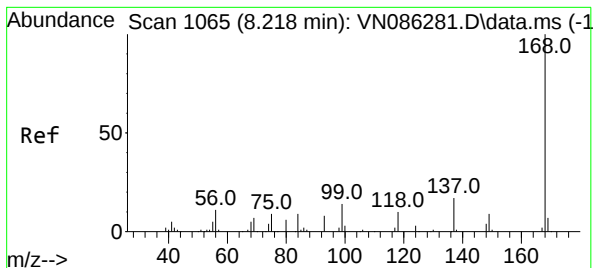
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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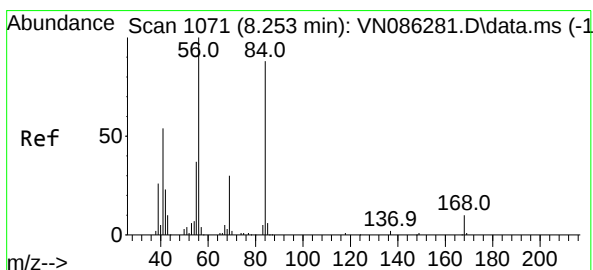
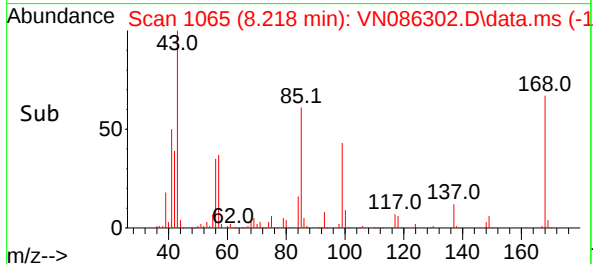
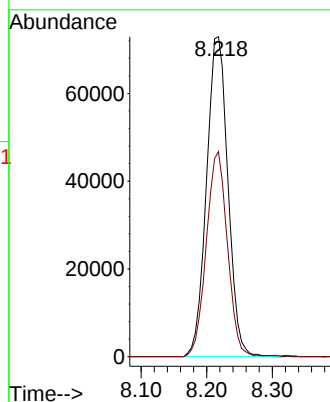
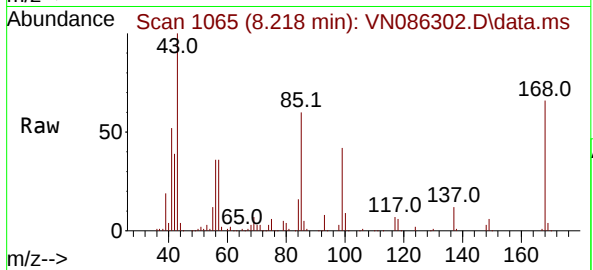




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

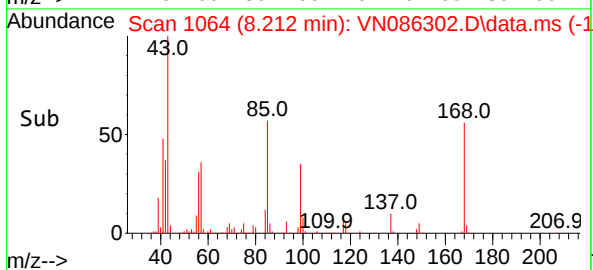
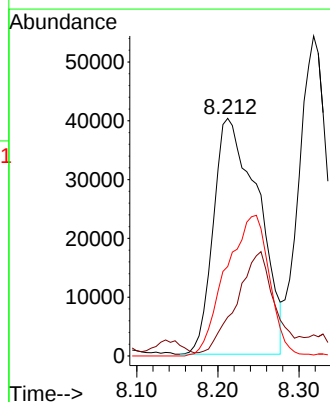
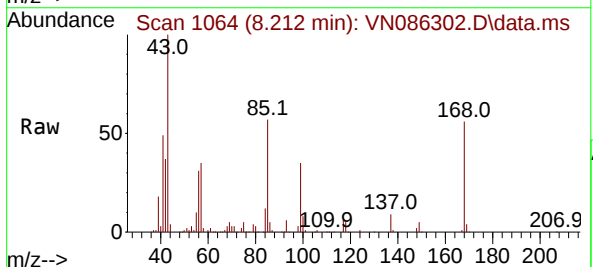
Instrument :
MSVOA_N
ClientSampleId :
TP-15-VOCME

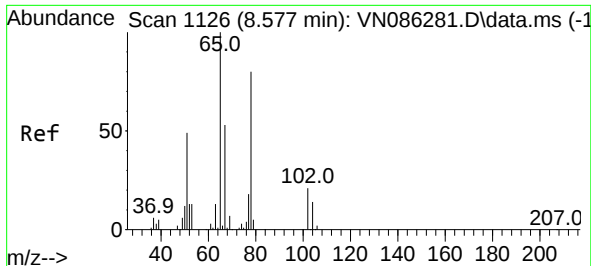
Tgt Ion:168 Resp: 165485
Ion Ratio Lower Upper
168 100
99 64.1 52.5 78.7



#31
Cyclohexane
Concen: 39.606 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion: 56 Resp: 154025
Ion Ratio Lower Upper
56 100
69 12.0 24.2 36.2#
84 37.9 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 50.023 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086302.D

Acq: 16 Apr 2025 17:15

Instrument :

MSVOA_N

ClientSampleId :

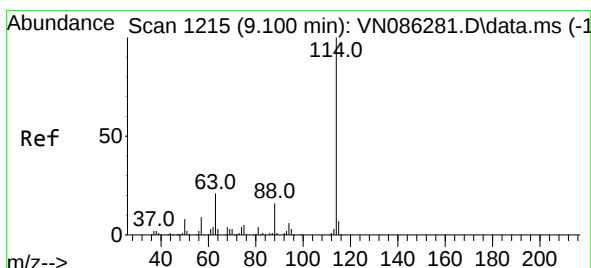
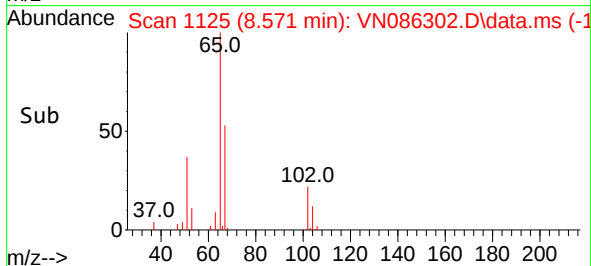
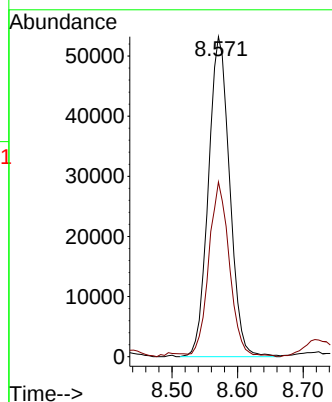
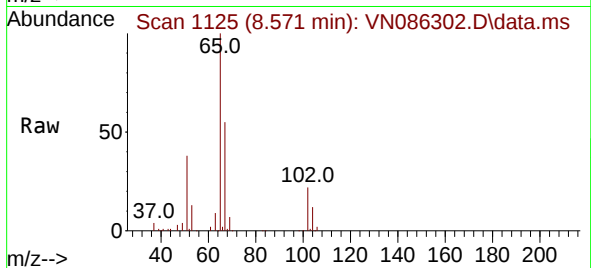
TP-15-VOCME

Tgt Ion: 65 Resp: 120040

Ion Ratio Lower Upper

65 100

67 53.1 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: VN086302.D

Acq: 16 Apr 2025 17:15

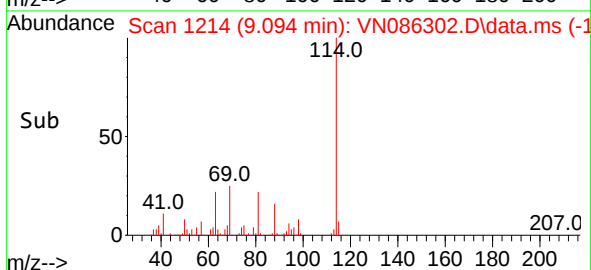
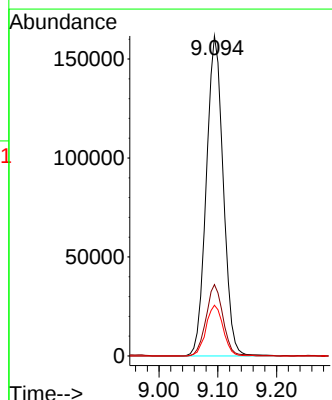
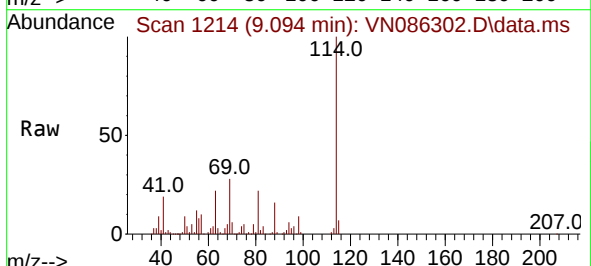
Tgt Ion: 114 Resp: 323576

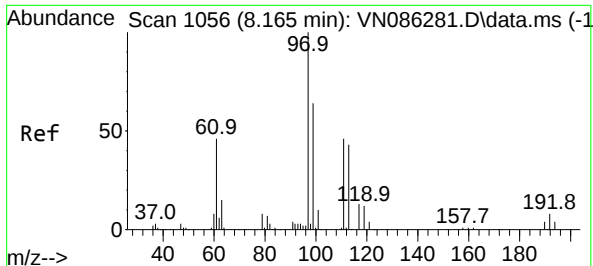
Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.140 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086302.D

Acq: 16 Apr 2025 17:15

Instrument :

MSVOA_N

ClientSampleId :

TP-15-VOCME

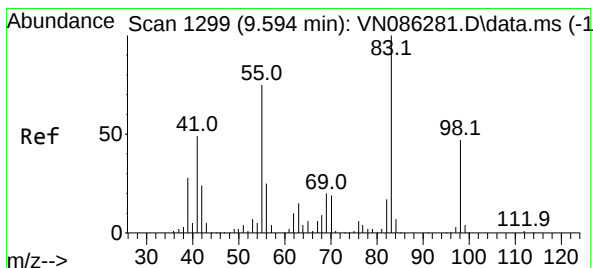
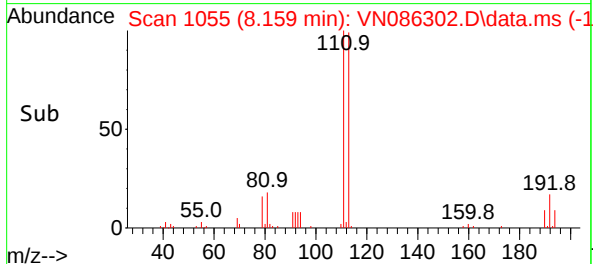
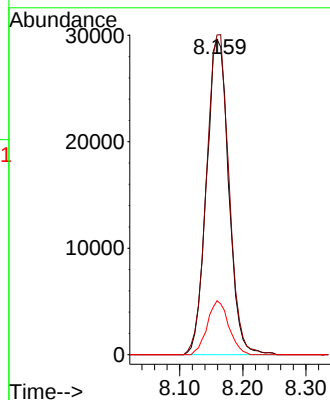
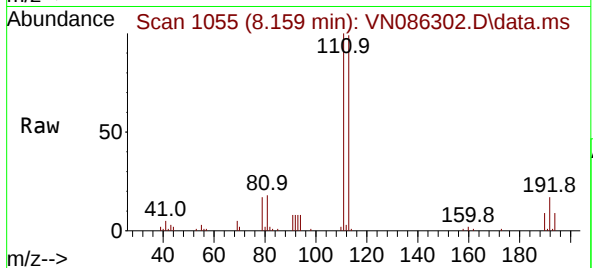
Tgt Ion:113 Resp: 72295

Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.0

192 16.5 13.7 20.5



#39

Methylcyclohexane

Concen: 113.538 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086302.D

Acq: 16 Apr 2025 17:15

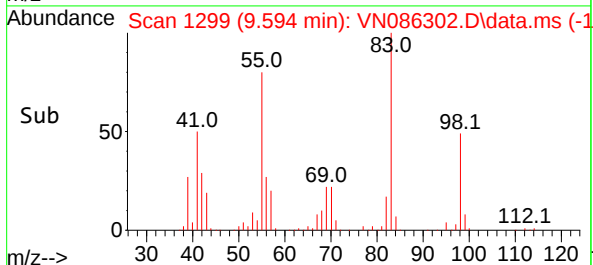
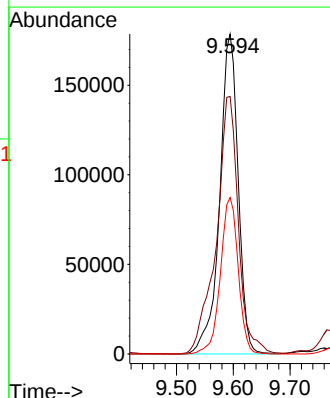
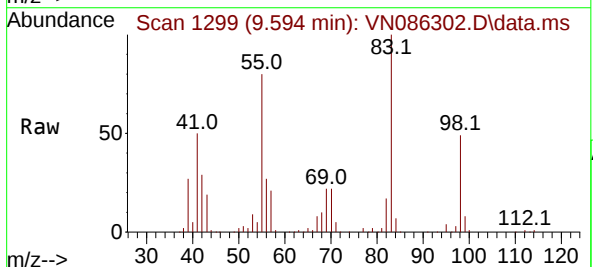
Tgt Ion: 83 Resp: 404789

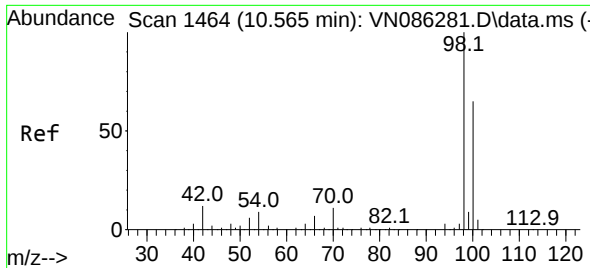
Ion Ratio Lower Upper

83 100

55 80.5 59.8 89.8

98 48.9 37.9 56.9

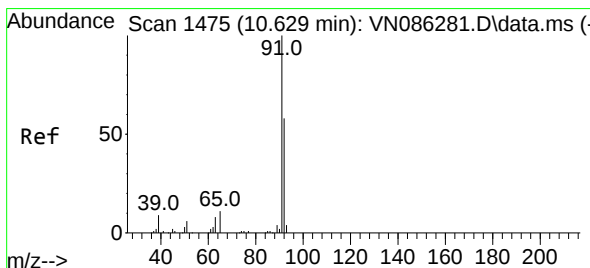
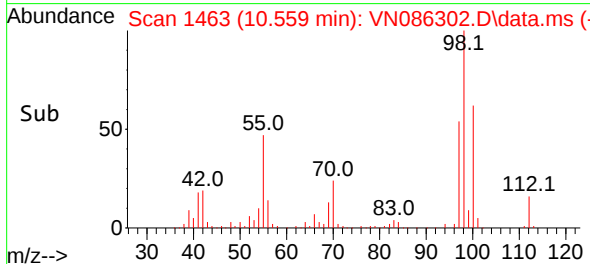
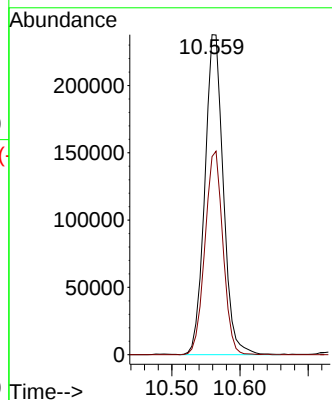
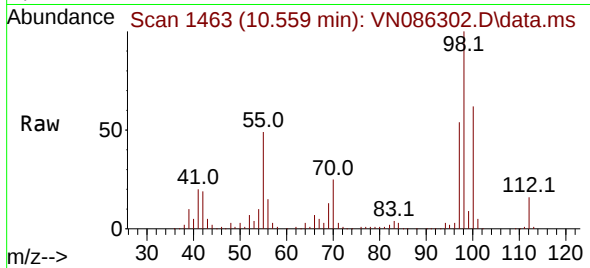




#50
Toluene-d8
Concen: 55.871 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

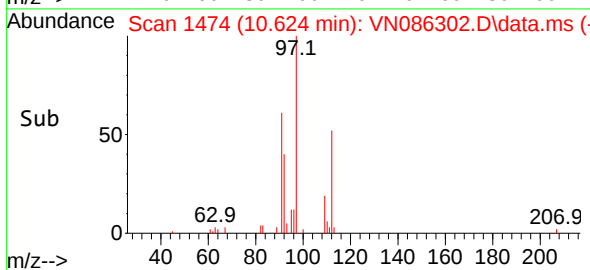
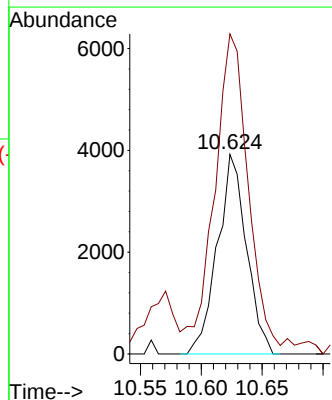
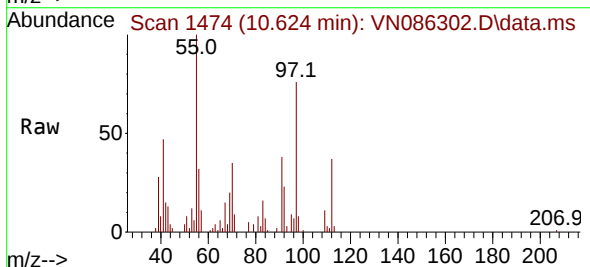
Instrument :
MSVOA_N
ClientSampleId :
TP-15-VOCME

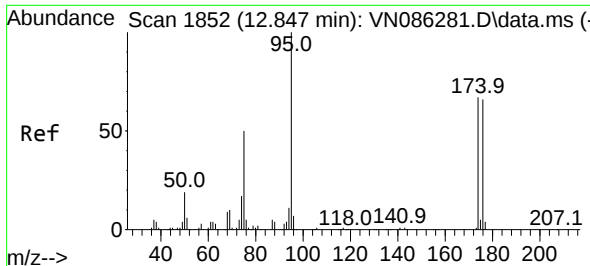
Tgt Ion: 98 Resp: 448425
Ion Ratio Lower Upper
98 100
100 61.8 52.5 78.7



#52
Toluene
Concen: 1.085 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion: 92 Resp: 6509
Ion Ratio Lower Upper
92 100
91 187.3 137.3 205.9

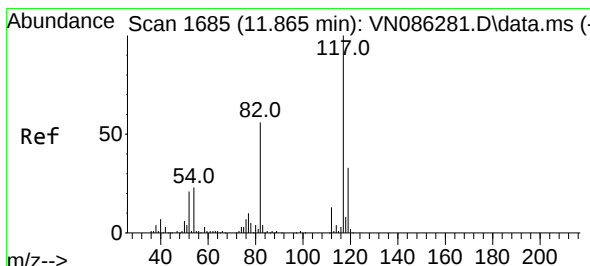
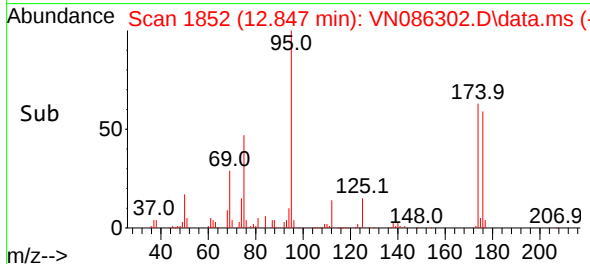
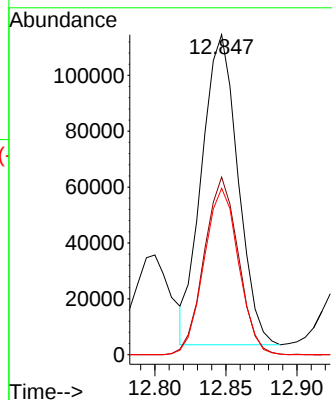
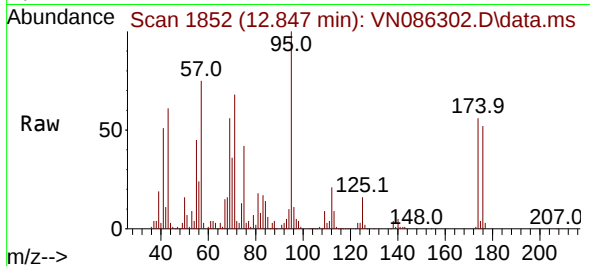




#62
4-Bromofluorobenzene
Concen: 67.130 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

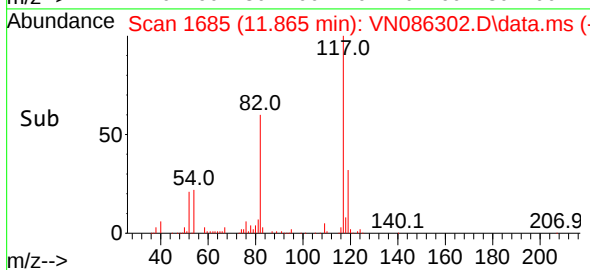
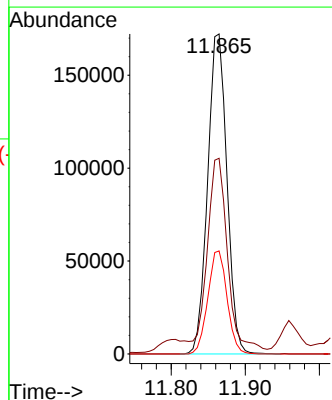
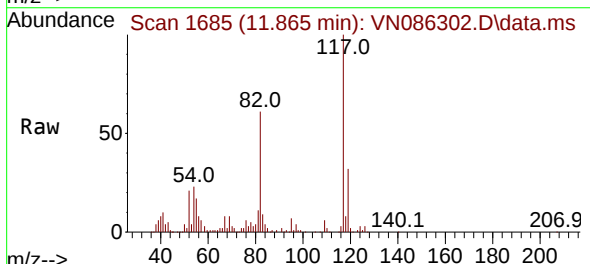
Instrument :
MSVOA_N
ClientSampleId :
TP-15-VOCME

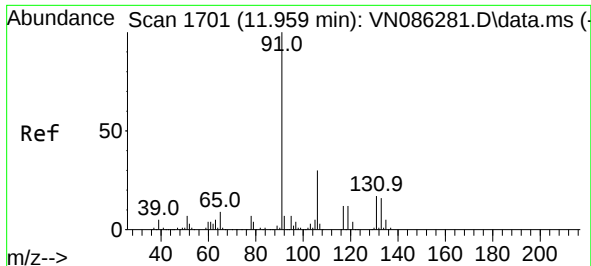
Tgt Ion: 95 Resp: 196521
Ion Ratio Lower Upper
95 100
174 54.2 0.0 133.4
176 51.4 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion: 117 Resp: 311133
Ion Ratio Lower Upper
117 100
82 57.1 44.7 67.1
119 32.2 26.4 39.6

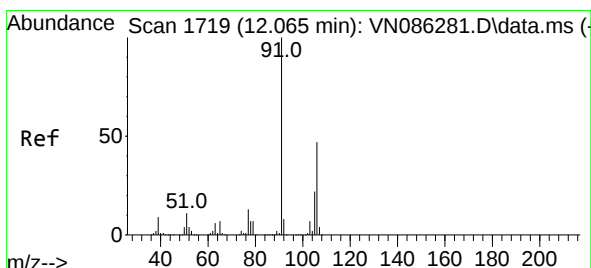
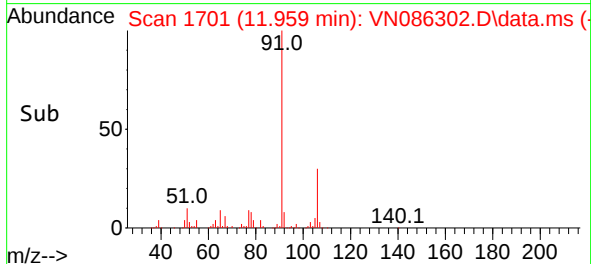
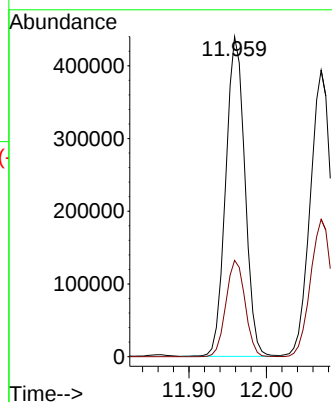
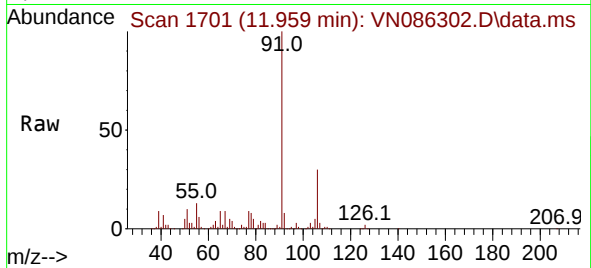




#67
Ethyl Benzene
Concen: 60.477 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

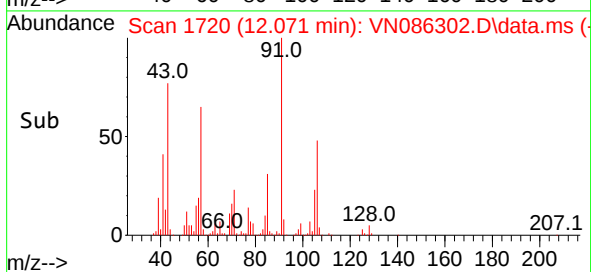
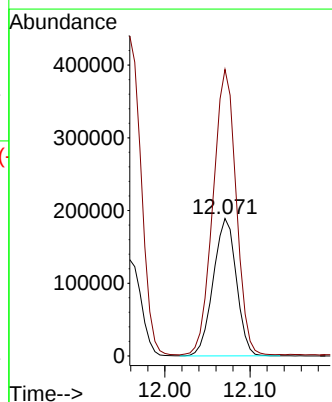
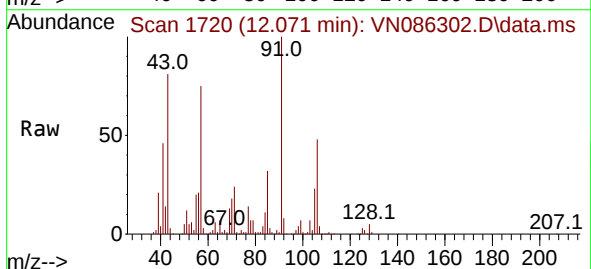
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TP-15-VOCME

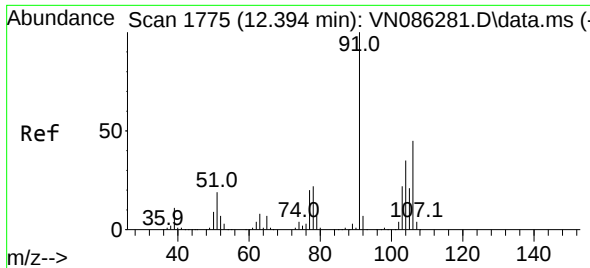
Tgt Ion: 91 Resp: 757754
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 75.789 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion: 106 Resp: 355813
Ion Ratio Lower Upper
106 100
91 207.9 166.5 249.7

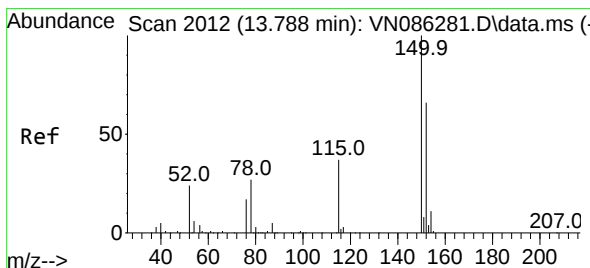
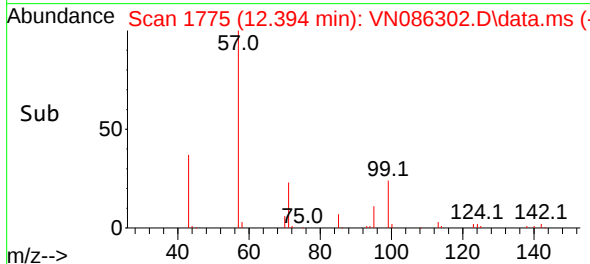
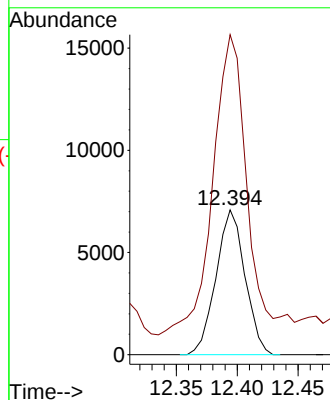
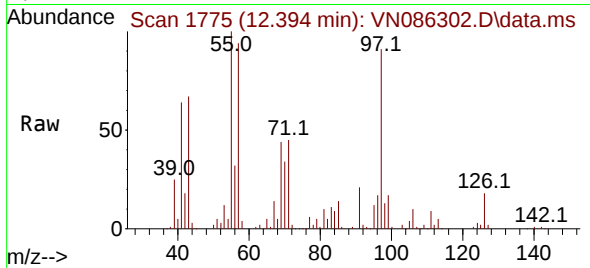




#69
o-Xylene
Concen: 2.529 ug/l
RT: 12.394 min Scan# 11742
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

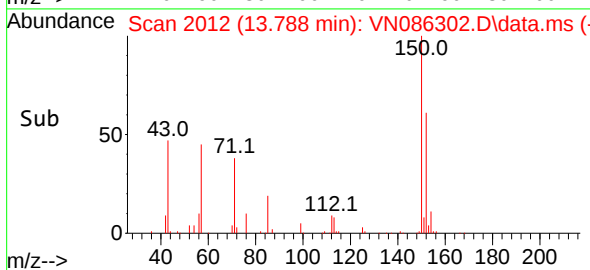
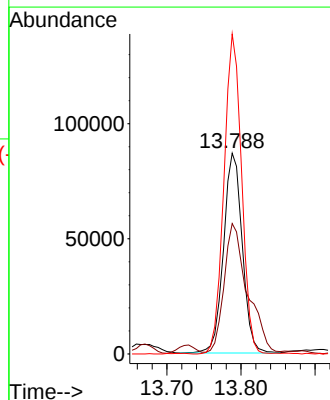
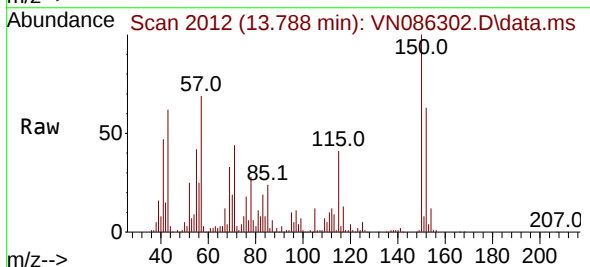
Instrument :
MSVOA_N
ClientSampleId :
TP-15-VOCME

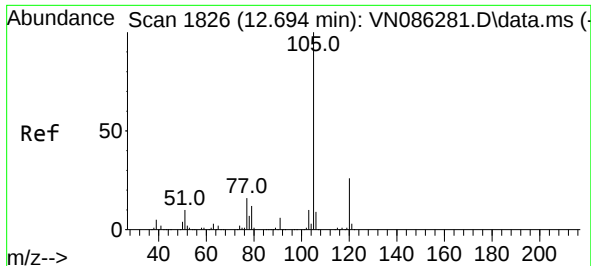
Tgt Ion:106 Resp: 11742
Ion Ratio Lower Upper
106 100
91 244.1 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion:152 Resp: 152386
Ion Ratio Lower Upper
152 100
115 79.4 31.9 95.9
150 151.0 0.0 352.0

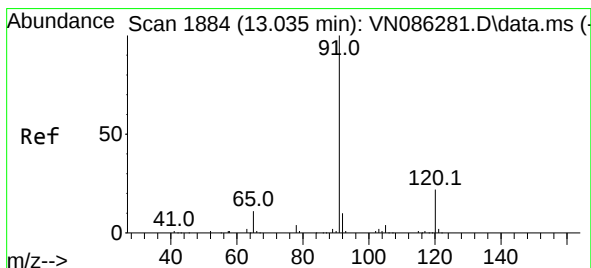
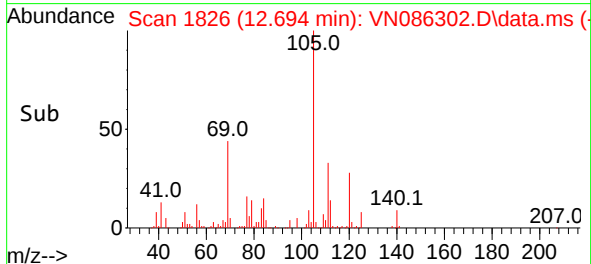
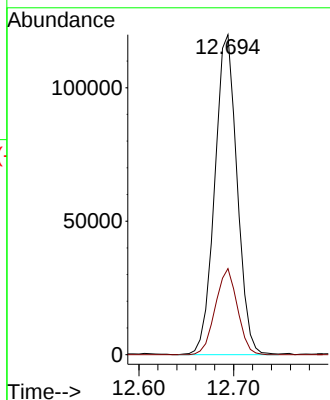
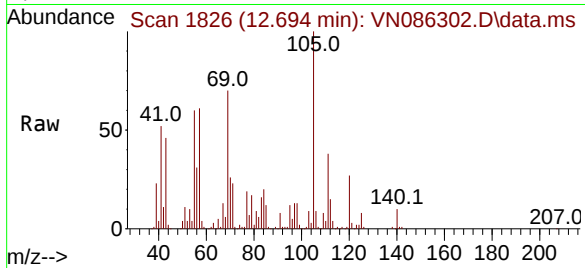




#73
Isopropylbenzene
Concen: 15.779 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

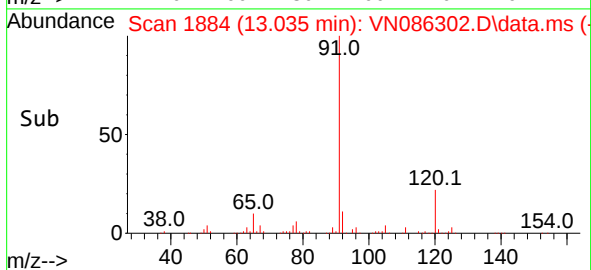
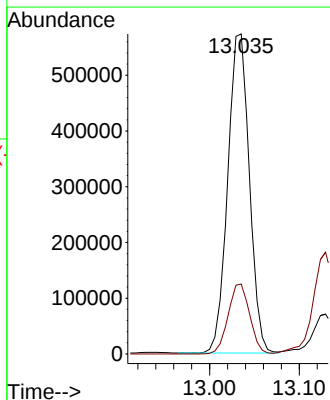
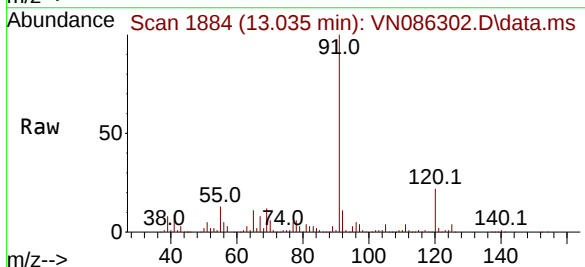
Instrument :
MSVOA_N
ClientSampleId :
TP-15-VOCME

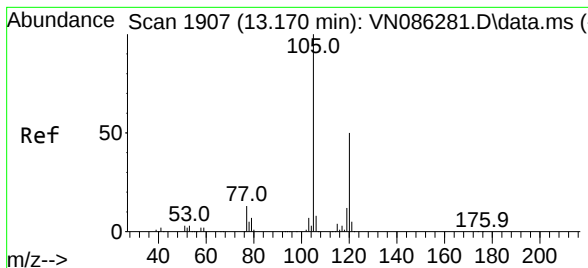
Tgt Ion:105 Resp: 196694
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3



#78
n-propylbenzene
Concen: 65.207 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086302.D
Acq: 16 Apr 2025 17:15

Tgt Ion: 91 Resp: 957828
Ion Ratio Lower Upper
91 100
120 21.8 11.1 33.3





#80

1,3,5-Trimethylbenzene

Concen: 59.244 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086302.D

Acq: 16 Apr 2025 17:15

Instrument :

MSVOA_N

ClientSampleId :

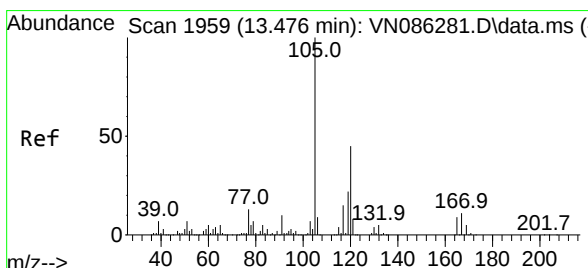
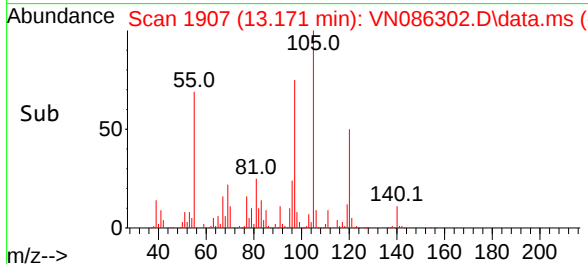
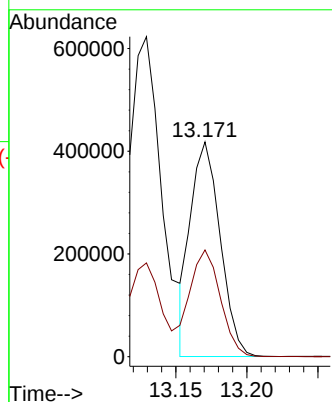
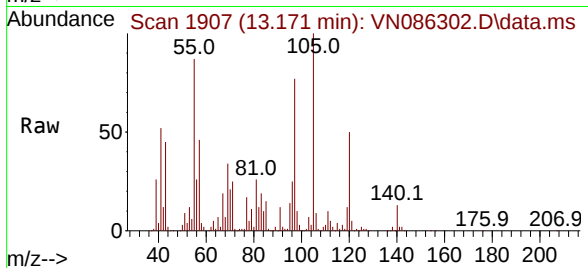
TP-15-VOCME

Tgt Ion:105 Resp: 604442

Ion Ratio Lower Upper

105 100

120 53.0 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 289.529 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN086302.D

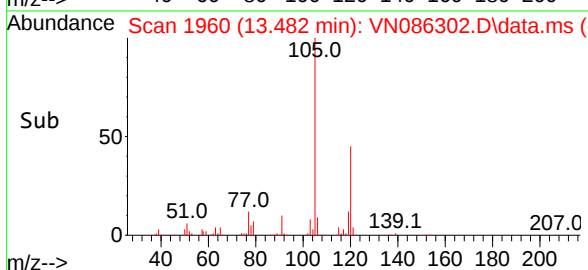
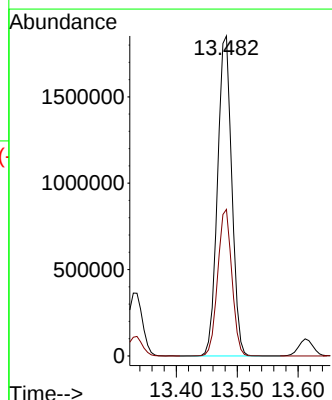
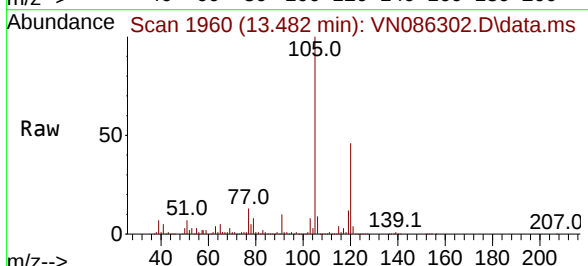
Acq: 16 Apr 2025 17:15

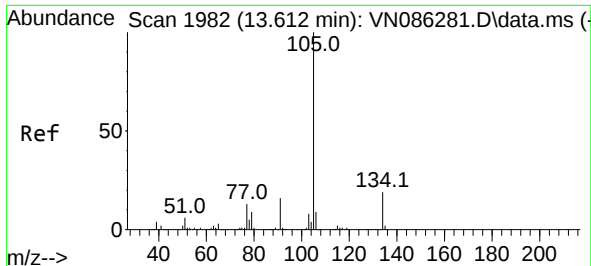
Tgt Ion:105 Resp: 3006855

Ion Ratio Lower Upper

105 100

120 45.7 22.4 67.3

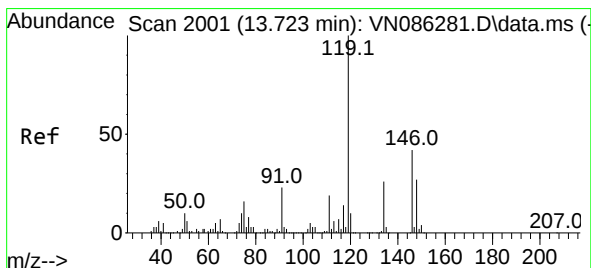
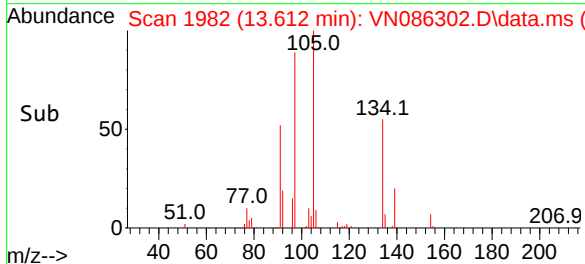
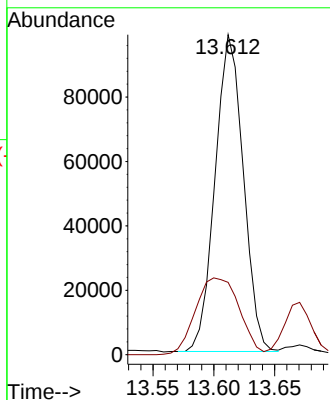
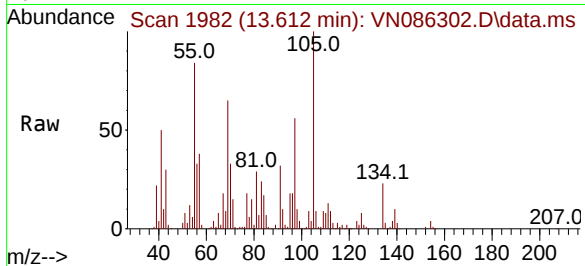




#85
 sec-Butylbenzene
 Concen: 12.948 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086302.D
 Acq: 16 Apr 2025 17:15

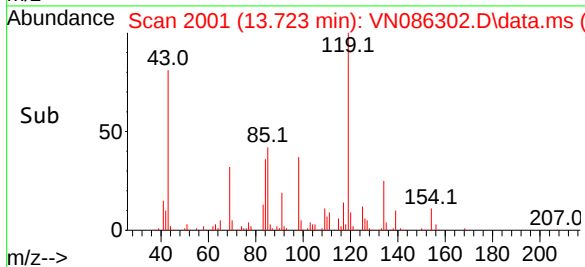
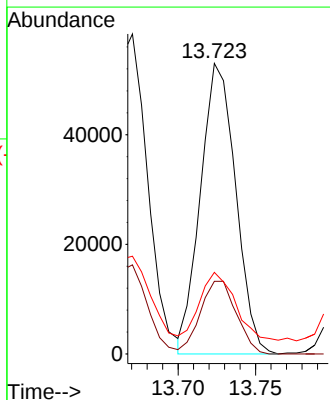
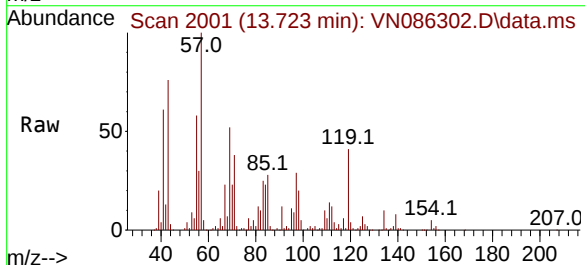
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15-VOCME

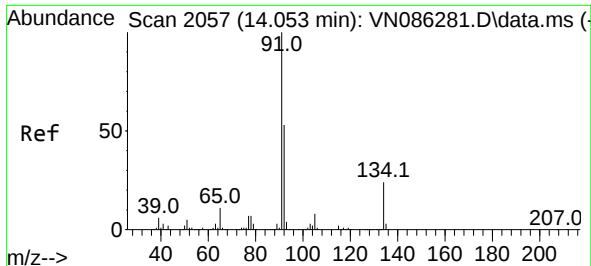
Tgt Ion:105 Resp: 158769
 Ion Ratio Lower Upper
 105 100
 134 37.4 9.7 29.1#



#86
 p-Isopropyltoluene
 Concen: 8.295 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086302.D
 Acq: 16 Apr 2025 17:15

Tgt Ion:119 Resp: 83837
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.1 39.1
 91 23.2 11.9 35.9





#89

n-Butylbenzene

Concen: 58.015 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086302.D

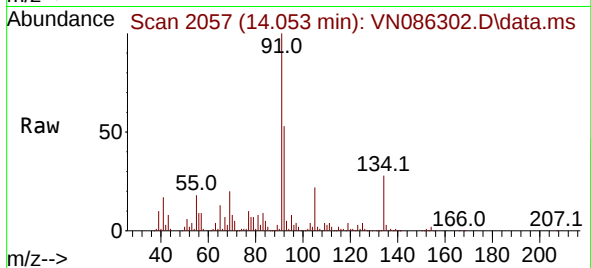
Acq: 16 Apr 2025 17:15

Instrument :

MSVOA_N

ClientSampleId :

TP-15-VOCME



Tgt Ion:	91	Resp:	519738
Ion Ratio	Lower	Upper	
91	100		
92	32.7	26.8	80.4
134	0.0	12.2	36.6

