

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086517.D
 Acq On : 06 May 2025 16:11
 Operator : JC\MD
 Sample : Q1939-03
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

Quant Time: May 07 02:56:27 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)

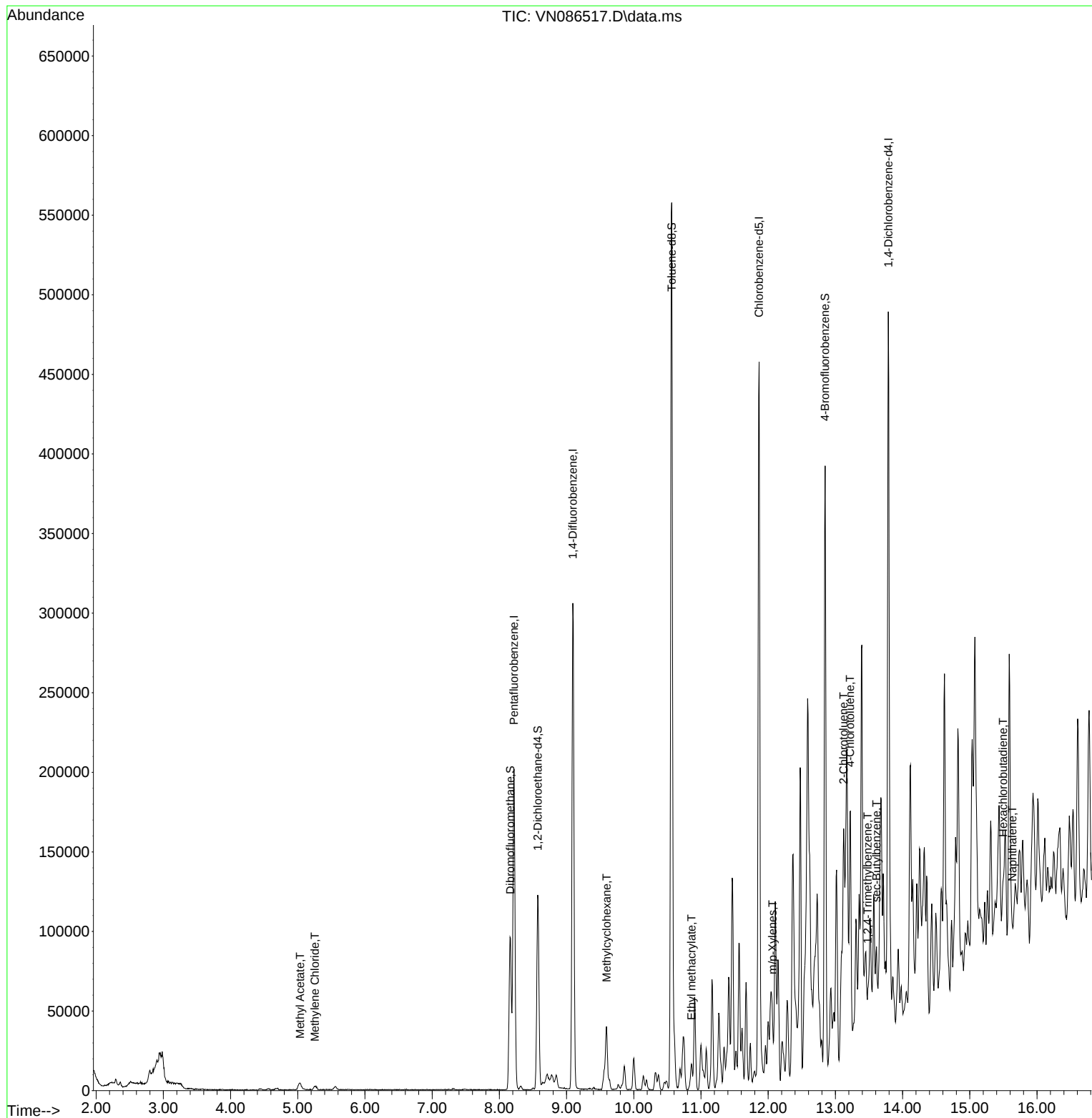
Internal Standards						
1) Pentafluorobenzene	8.218	168	146112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	275620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102195	48.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.460%
35) Dibromofluoromethane	8.165	113	72813	56.921	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.840%
50) Toluene-d8	10.565	98	356510	52.147	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.300%
62) 4-Bromofluorobenzene	12.847	95	124373	49.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.760%
Target Compounds						
					Qvalue	
18) Methyl Acetate	5.036	43	10297	4.049	ug/l	90
20) Methylene Chloride	5.253	84	1964	1.003	ug/l #	89
39) Methylcyclohexane	9.594	83	16815	5.537	ug/l	94
56) Ethyl methacrylate	10.859	69	5289	1.566	ug/l #	86
68) m/p-Xylenes	12.065	106	5374	1.314	ug/l	88
79) 2-Chlorotoluene	13.123	91	70464	9.746	ug/l	99
82) 4-Chlorotoluene	13.217	91	39744	5.534	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	13040	1.596	ug/l	98
85) sec-Butylbenzene	13.611	105	12216	1.266	ug/l #	76
94) Hexachlorobutadiene	15.494	225	781	1.091	ug/l	92
95) Naphthalene	15.635	128	12987	1.932	ug/l	96

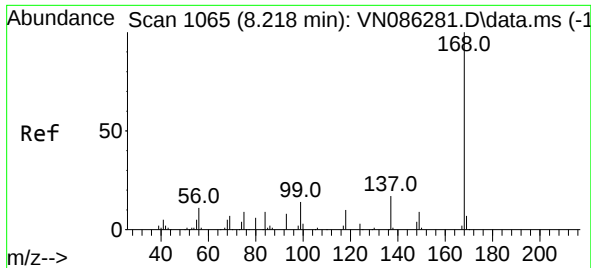
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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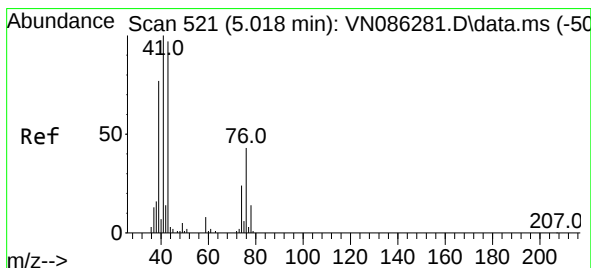
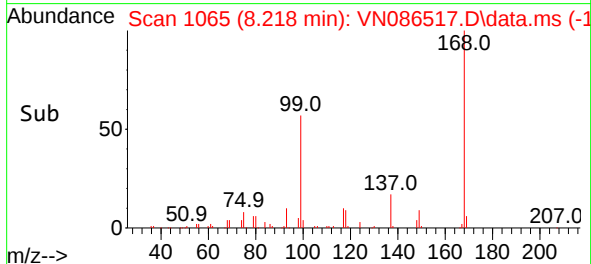
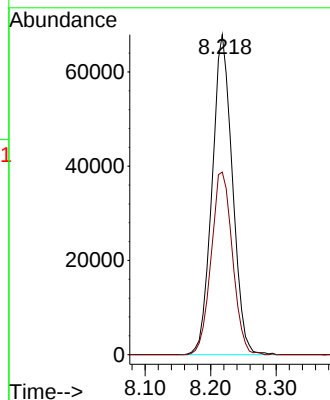
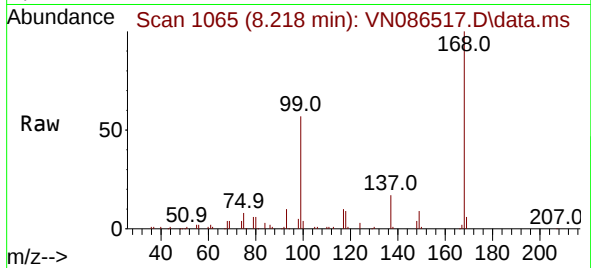




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

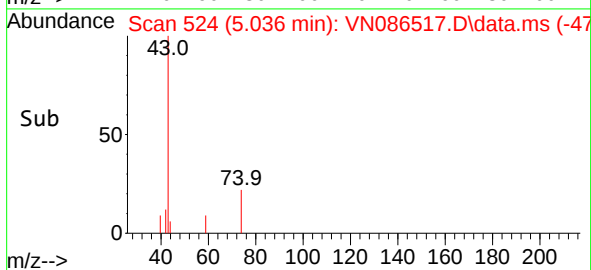
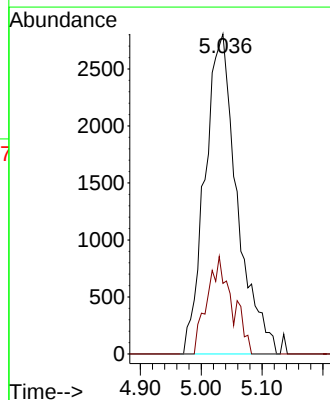
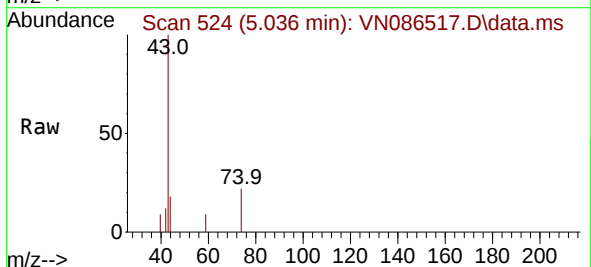
Instrument :
MSVOA_N
ClientSampleId :
GB2

Tgt Ion:168 Resp: 146112
Ion Ratio Lower Upper
168 100
99 57.1 52.5 78.7



#18
Methyl Acetate
Concen: 4.049 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 43 Resp: 10297
Ion Ratio Lower Upper
43 100
74 19.8 19.8 29.6

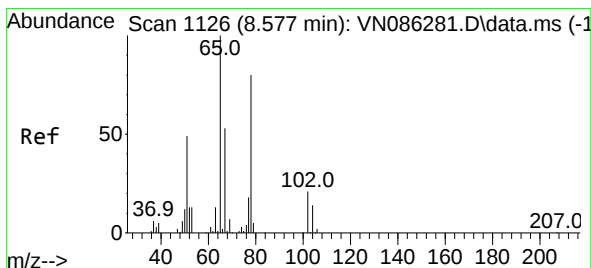
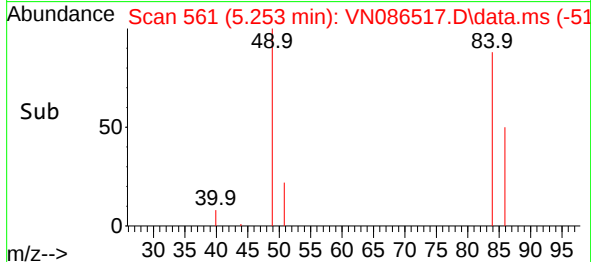
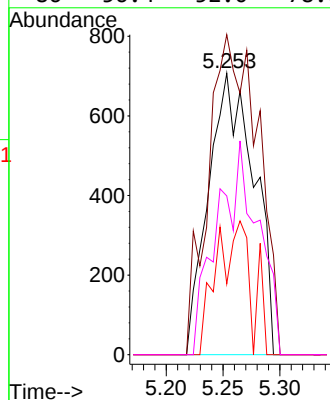
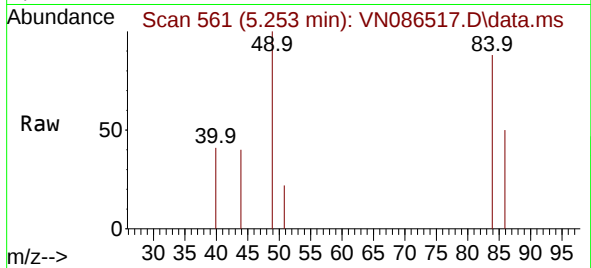




#20
Methylene Chloride
Concen: 1.003 ug/l
RT: 5.253 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

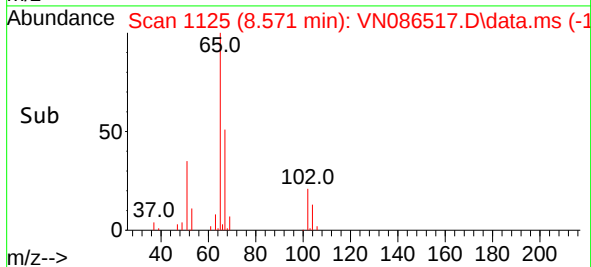
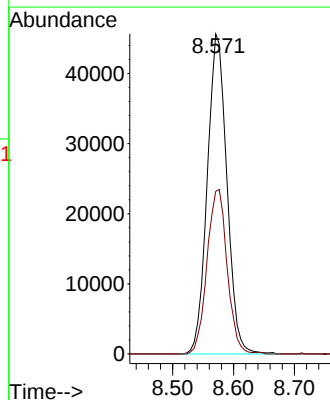
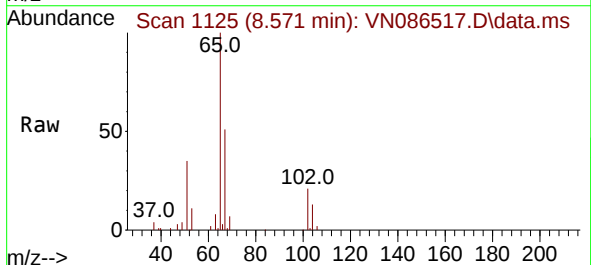
Instrument :
MSVOA_N
ClientSampleId :
GB2

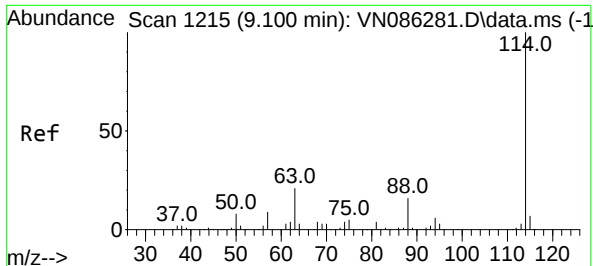
Tgt Ion: 84	Resp:	1964	
Ion	Ratio	Lower	Upper
84	100		
49	113.7	98.2	147.2
51	25.2	29.8	44.6#
86	56.4	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 48.234 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 65	Resp: 102195
Ion Ratio	Lower Upper
65 100	
67 52.8	0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

GB2

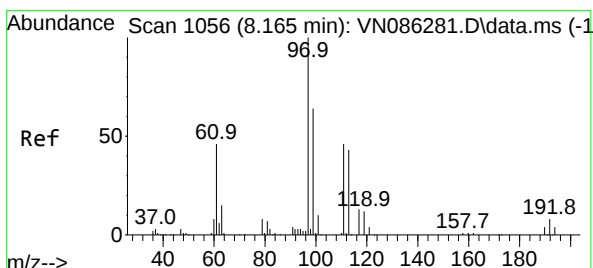
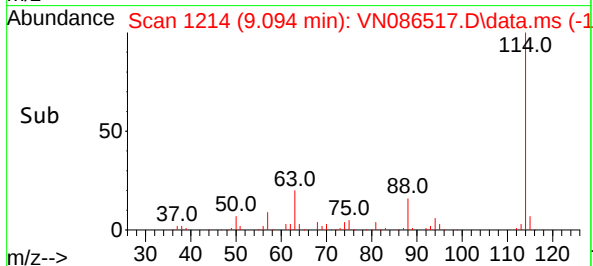
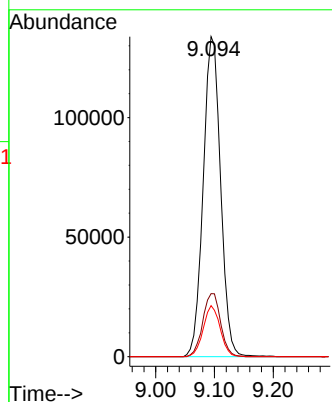
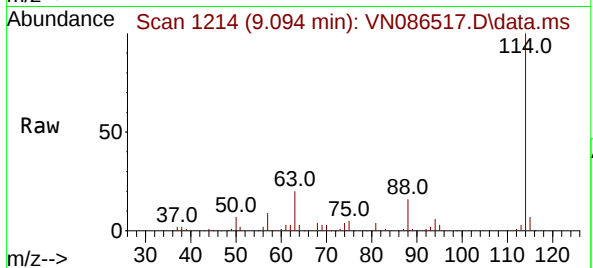
Tgt Ion:114 Resp: 275620

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.921 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

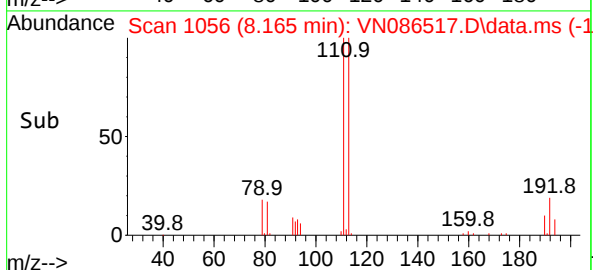
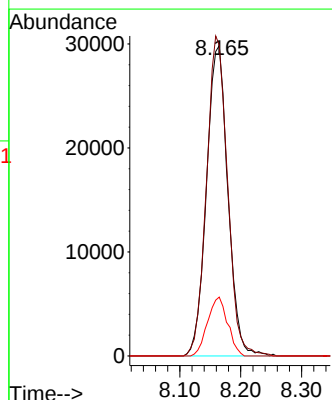
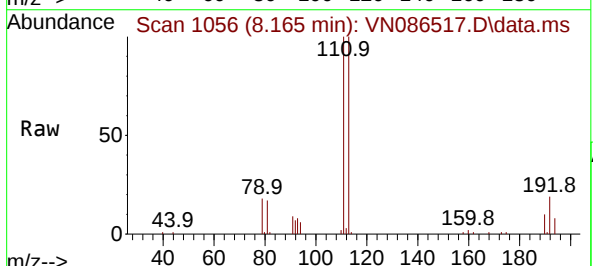
Tgt Ion:113 Resp: 72813

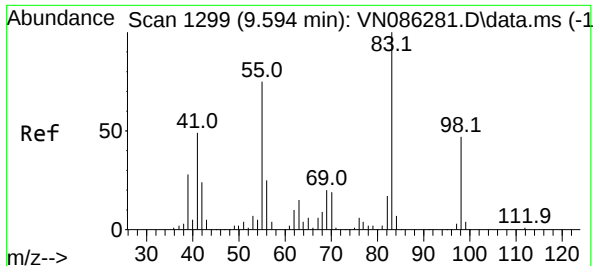
Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.0

192 17.8 13.7 20.5





#39

Methylcyclohexane

Concen: 5.537 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

GB2

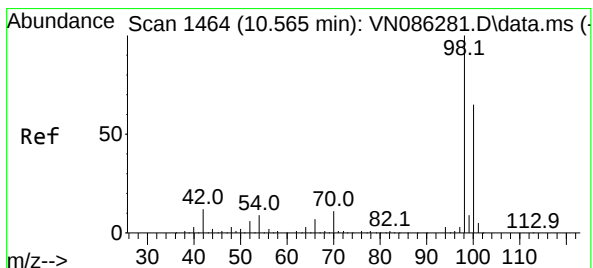
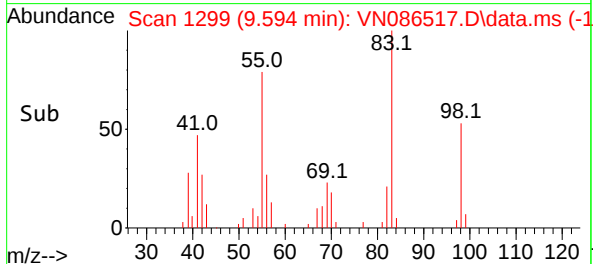
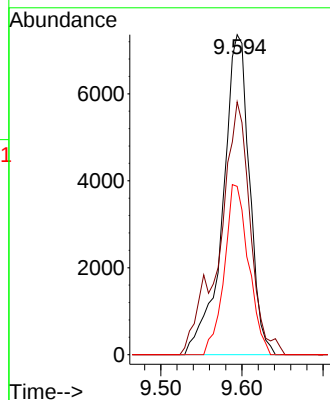
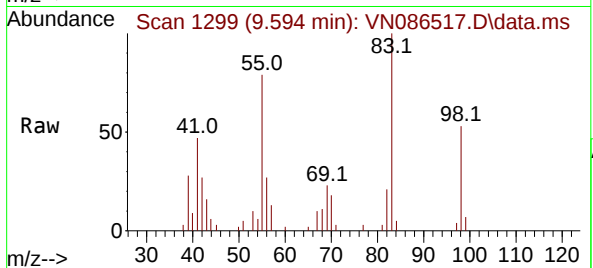
Tgt Ion: 83 Resp: 16815

Ion Ratio Lower Upper

83 100

55 79.0 59.8 89.8

98 52.6 37.9 56.9



#50

Toluene-d8

Concen: 52.147 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086517.D

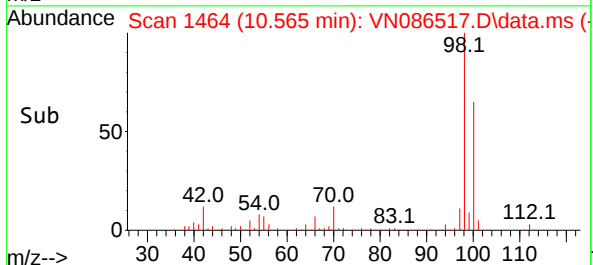
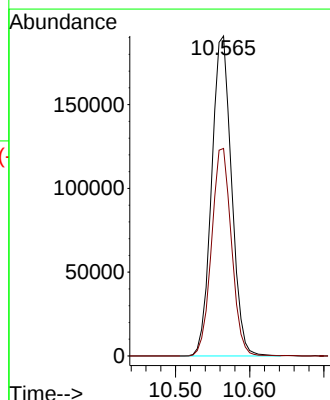
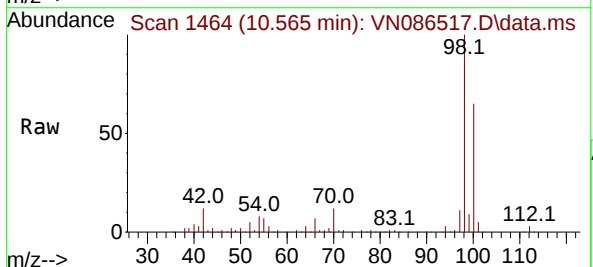
Acq: 06 May 2025 16:11

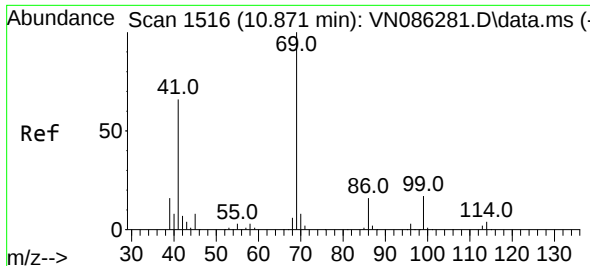
Tgt Ion: 98 Resp: 356510

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

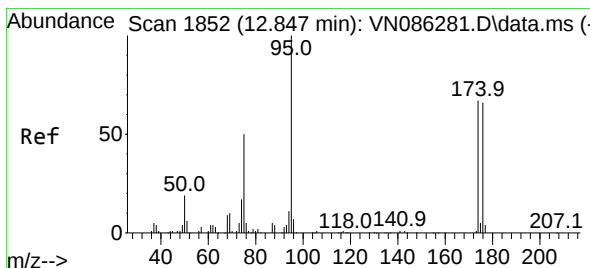
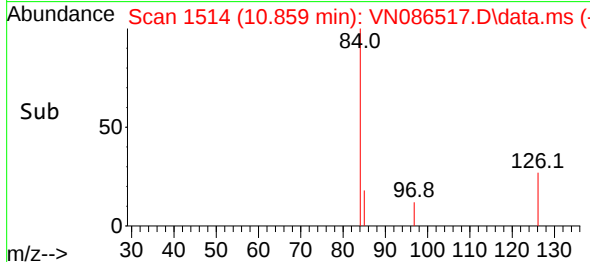
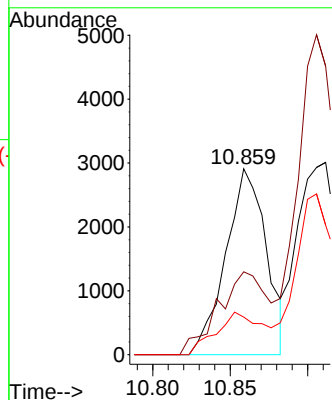
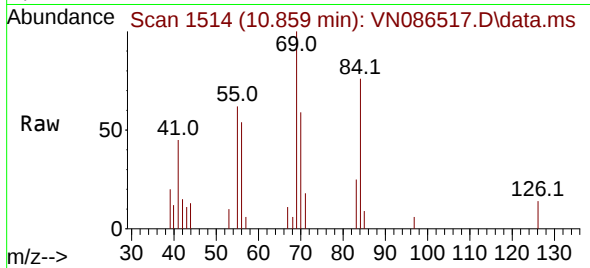




#56
Ethyl methacrylate
Concen: 1.566 ug/l
RT: 10.859 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

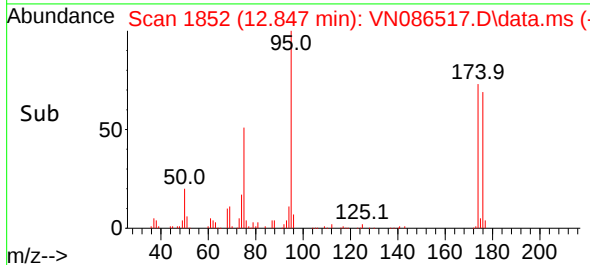
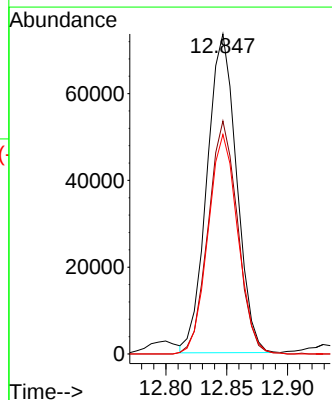
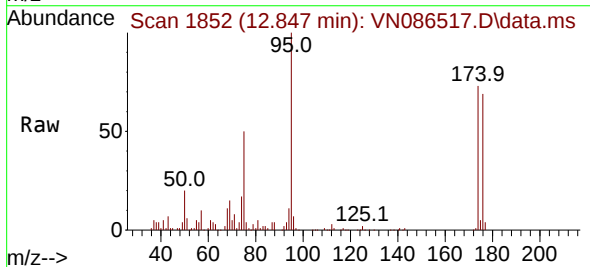
Instrument :
MSVOA_N
ClientSampleId :
GB2

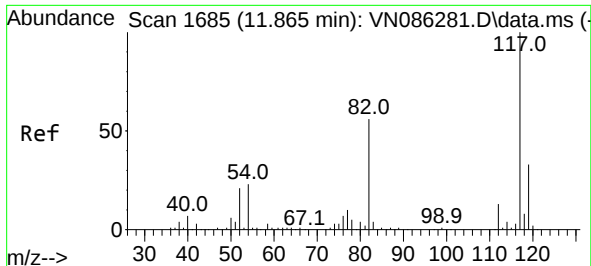
Tgt Ion: 69 Resp: 5289
Ion Ratio Lower Upper
69 100
41 52.8 51.7 77.5
39 26.2 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 49.877 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 95 Resp: 124373
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 69.4 0.0 129.2

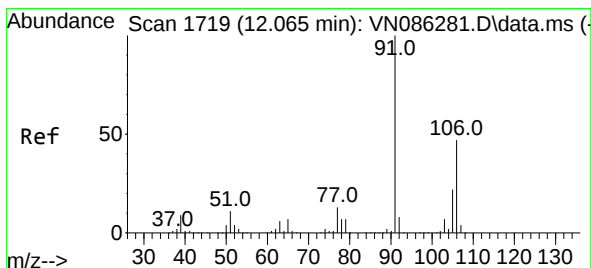
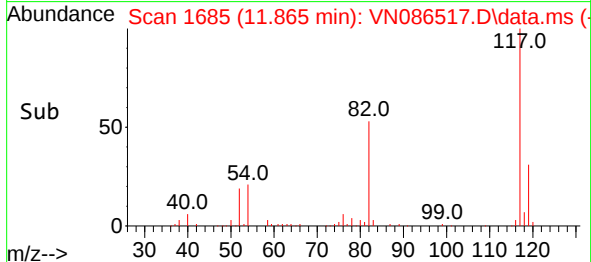
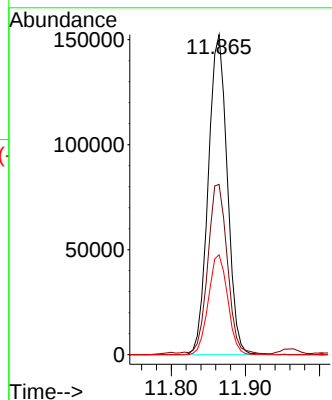
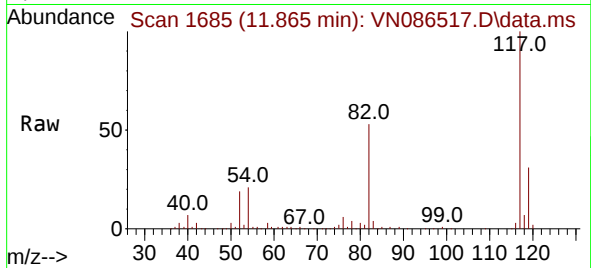




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

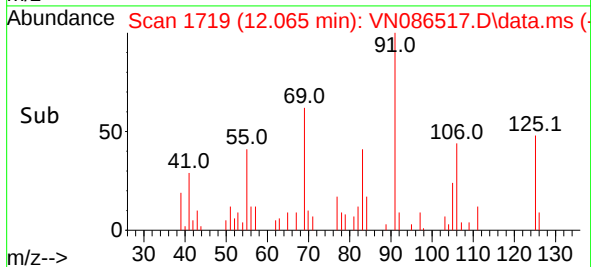
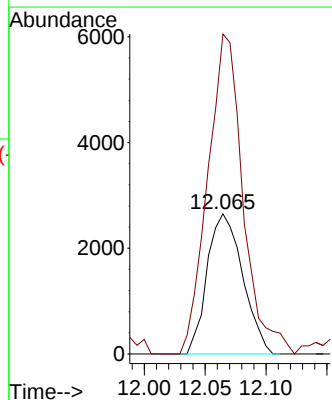
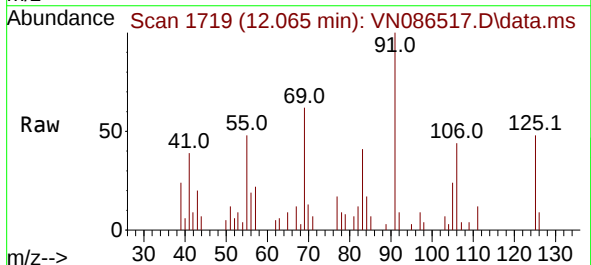
Instrument :
MSVOA_N
ClientSampleId :
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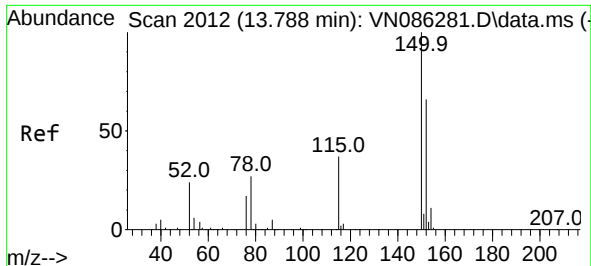
Tgt Ion:117 Resp: 271043
Ion Ratio Lower Upper
117 100
82 52.6 44.7 67.1
119 31.2 26.4 39.6



#68
m/p-Xylenes
Concen: 1.314 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:106 Resp: 5374
Ion Ratio Lower Upper
106 100
91 227.0 166.5 249.7

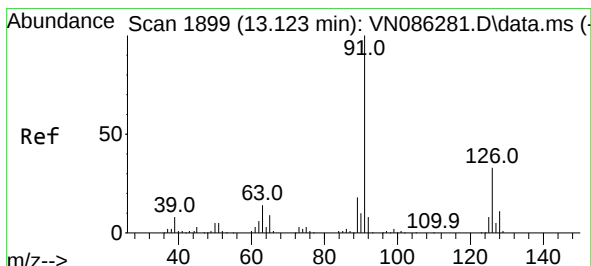
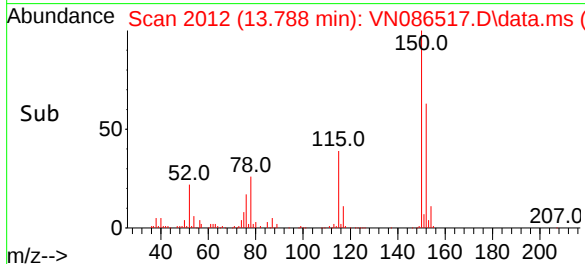
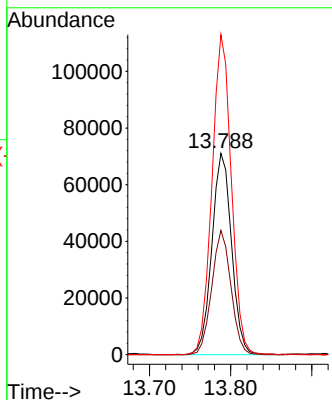
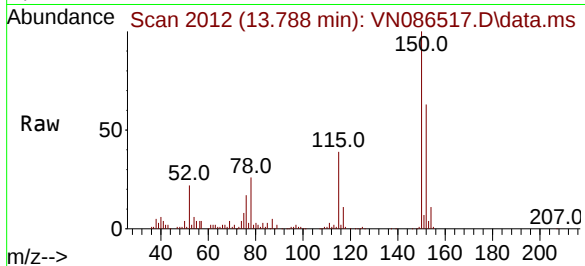




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

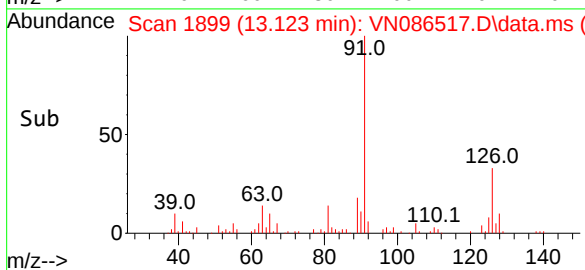
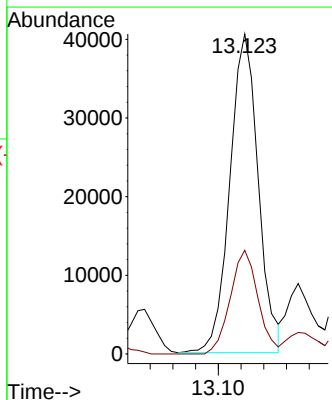
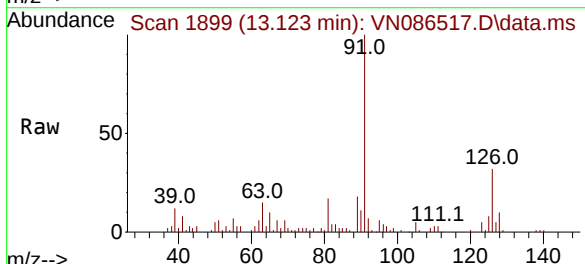
Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

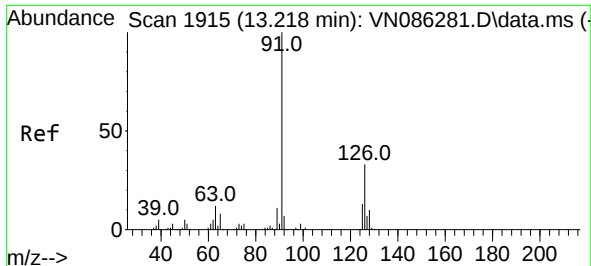
Tgt Ion:152 Resp: 119869
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.9 95.9
 150 156.1 0.0 352.0



#79
 2-Chlorotoluene
 Concen: 9.746 ug/l
 RT: 13.123 min Scan# 1899
 Delta R.T. -0.000 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

Tgt Ion: 91 Resp: 70464
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.1 48.2

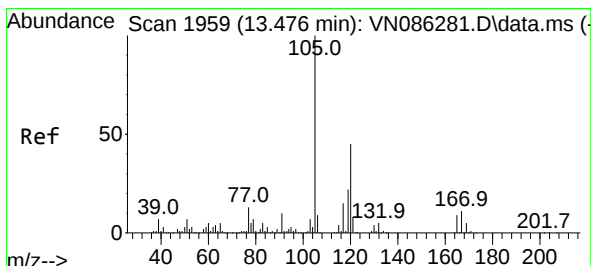
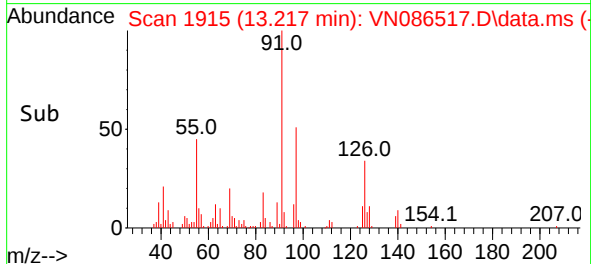
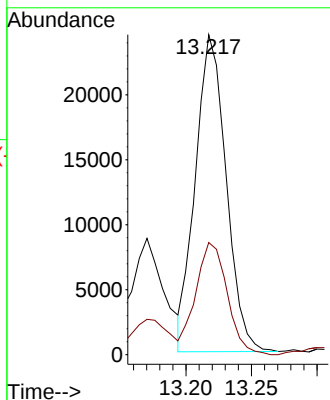
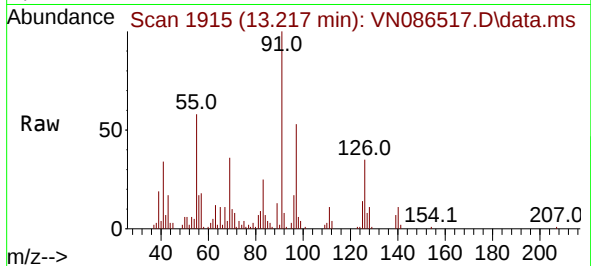




#82
4-Chlorotoluene
Concen: 5.534 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

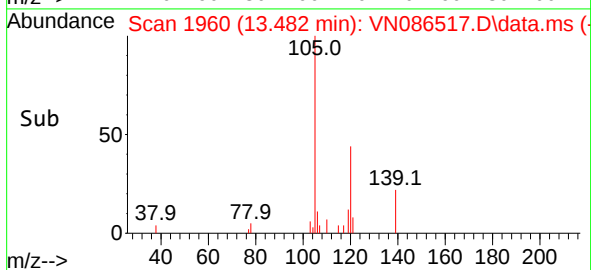
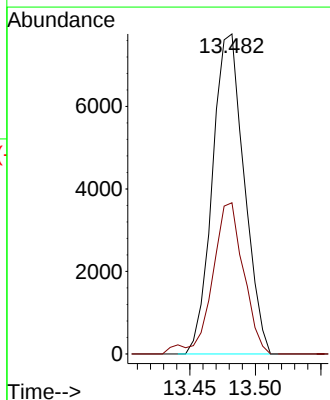
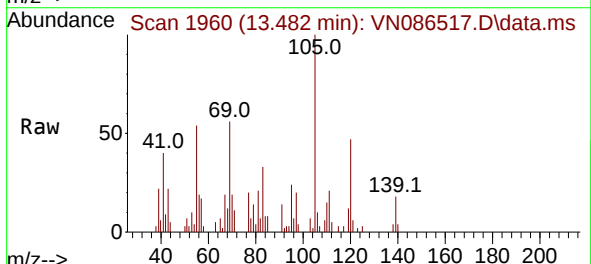
Instrument :
MSVOA_N
ClientSampleId :
GB2

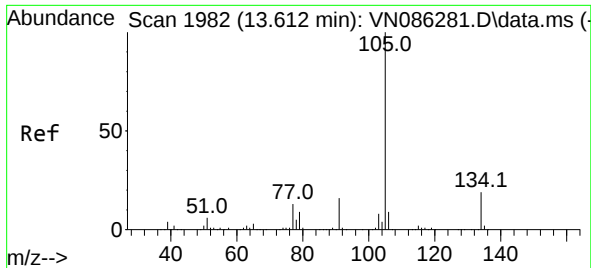
Tgt Ion: 91 Resp: 39744
Ion Ratio Lower Upper
91 100
126 36.3 16.2 48.6



#84
1,2,4-Trimethylbenzene
Concen: 1.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 105 Resp: 13040
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.3

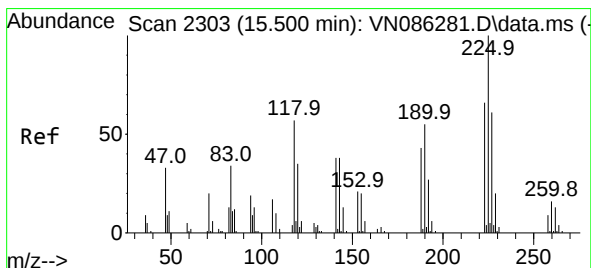
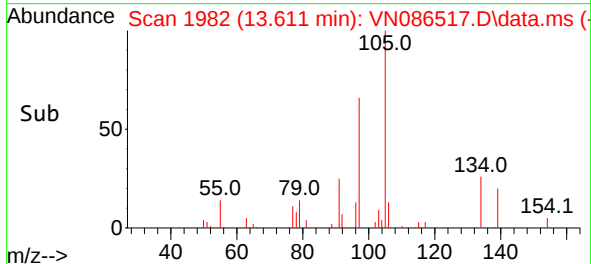
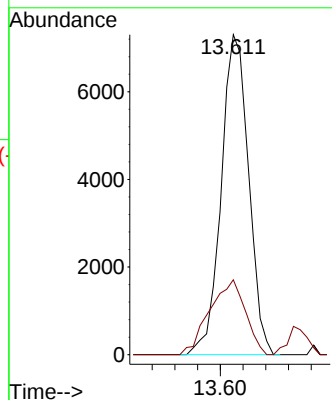
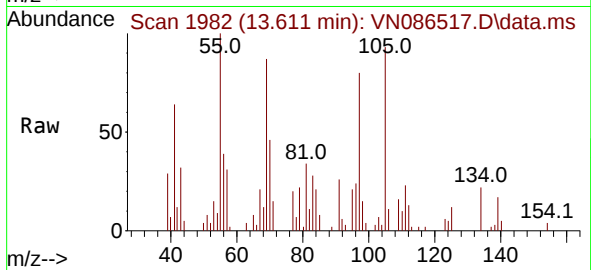




#85
 sec-Butylbenzene
 Concen: 1.266 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

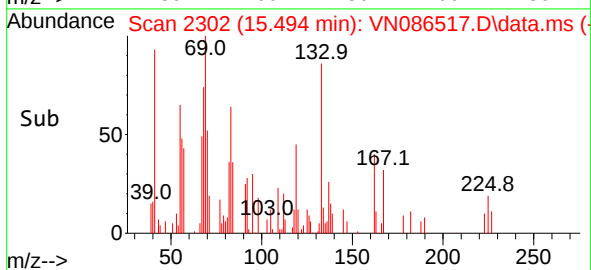
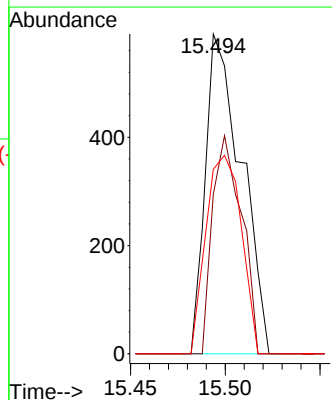
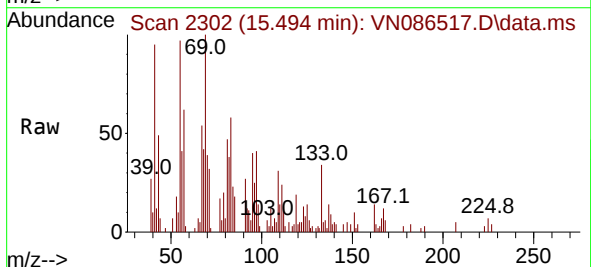
Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

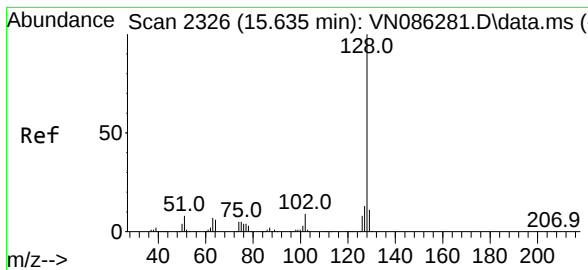
Tgt Ion:105 Resp: 12216
 Ion Ratio Lower Upper
 105 100
 134 30.5 9.7 29.1#



#94
 Hexachlorobutadiene
 Concen: 1.091 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

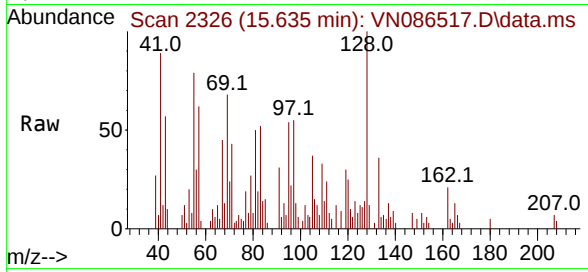
Tgt Ion:225 Resp: 781
 Ion Ratio Lower Upper
 225 100
 223 55.1 32.8 98.3
 227 61.2 31.4 94.0





#95
Naphthalene
Concen: 1.932 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
GB2



Tgt Ion:	128	Resp:	12987
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.2	15.4
129	12.4	8.6	13.0

