

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092925\
 Data File : VN087985.D
 Acq On : 29 Sep 2025 16:11
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 30 03:57:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

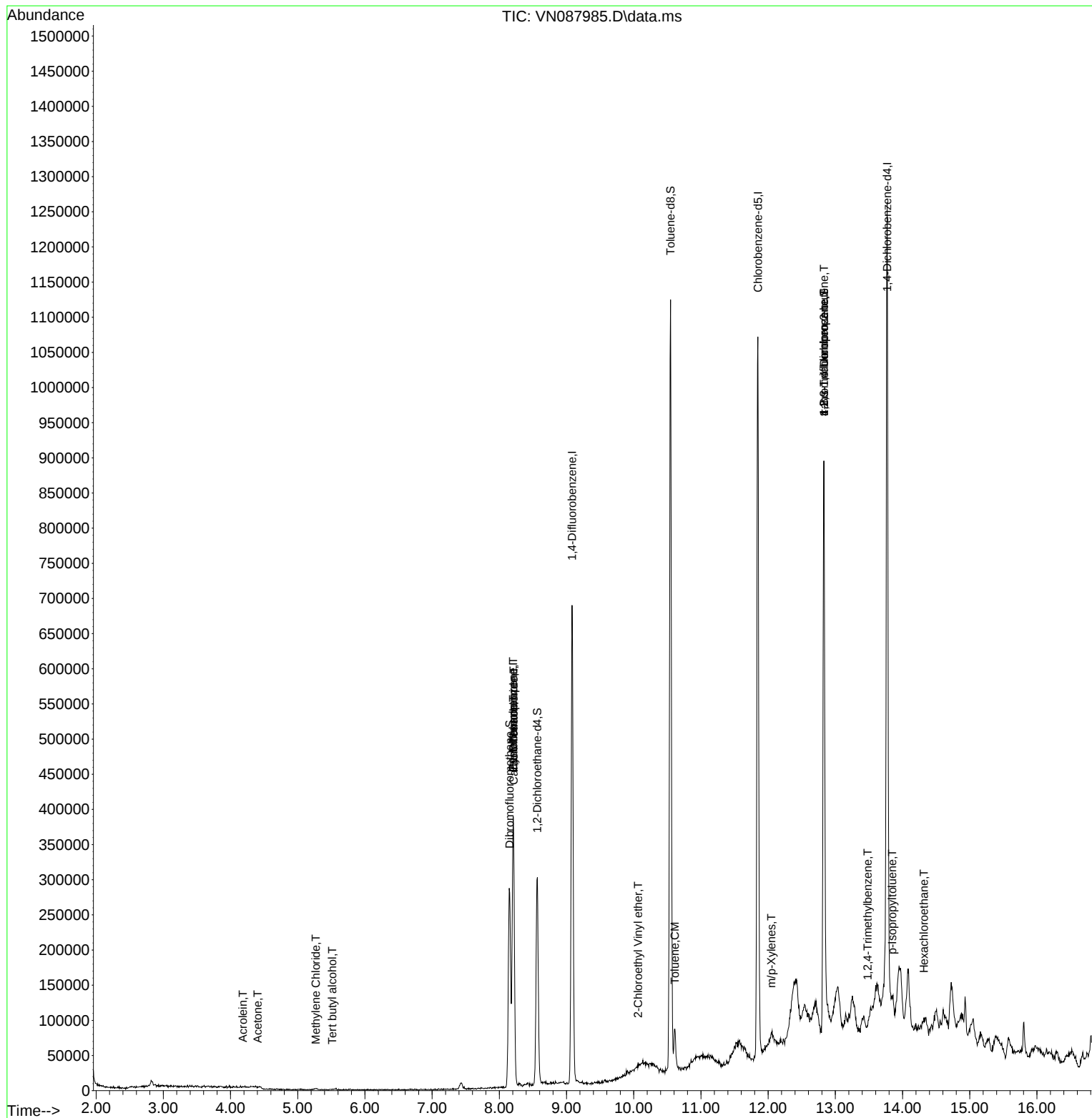
Internal Standards						
1) Pentafluorobenzene	8.206	168	275641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	579420	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	595422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	305619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242704	52.320	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	8.153	113	204893	48.704	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
50) Toluene-d8	10.547	98	751891	50.824	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.829	95	289006	54.652	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.300%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.512	59	146	0.219	ug/l #	71
13) Acrolein	4.183	56	390	0.455	ug/l	95
16) Acetone	4.406	43	1309	0.686	ug/l #	63
20) Methylene Chloride	5.271	84	1498	0.388	ug/l #	53
31) Cyclohexane	8.206	56	7751	1.490	ug/l #	58
36) 1,1-Dichloropropene	8.206	75	22231	4.395	ug/l #	52
38) Carbon Tetrachloride	8.212	117	30562	5.265	ug/l #	19
52) Toluene	10.612	92	26583	2.529	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.065	63	744	0.256	ug/l	95
68) m/p-Xylenes	12.047	106	5504	0.681	ug/l #	63
76) 1,2,3-Trichloropropane	12.829	75	160035	26.564	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	160035	73.765	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.482	105	4520	0.269	ug/l	96
86) p-Isopropyltoluene	13.847	119	6645	0.386	ug/l	79
90) Hexachloroethane	14.318	117	795	0.221	ug/l #	27

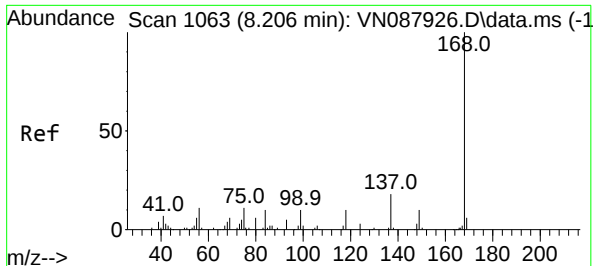
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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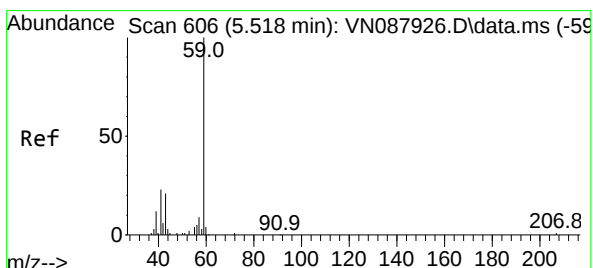
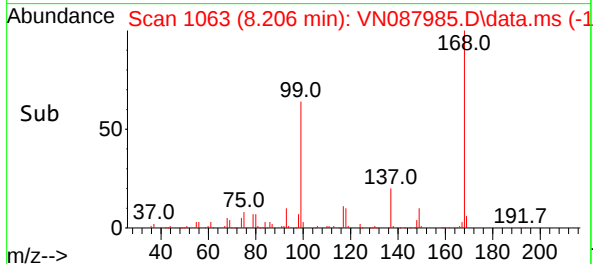
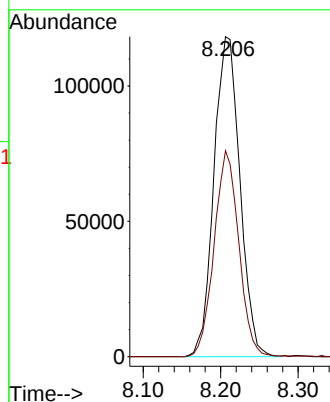
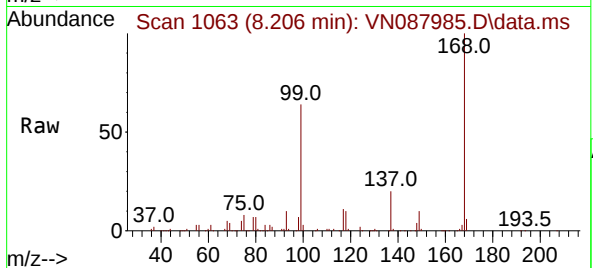




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

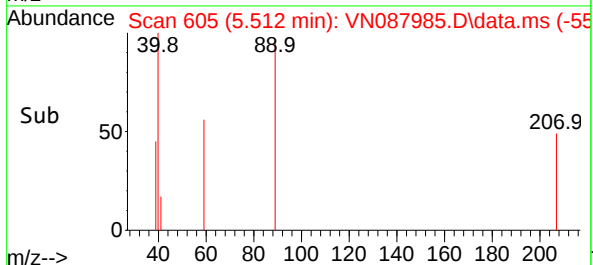
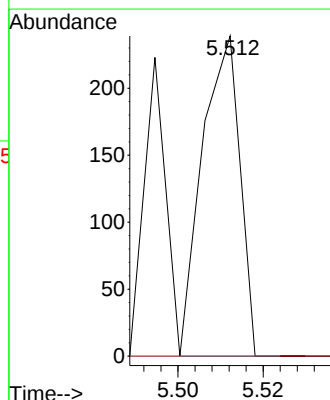
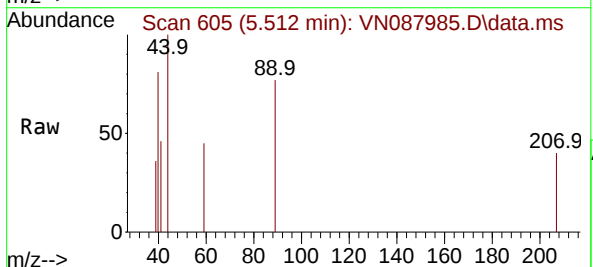
Instrument :
MSVOA_N
ClientSampleId :
IBLK

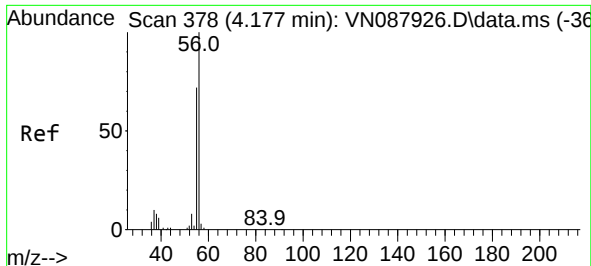
Tgt Ion:168 Resp: 275641
Ion Ratio Lower Upper
168 100
99 64.4 52.2 78.2



#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#





#13

Acrolein

Concen: 0.455 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

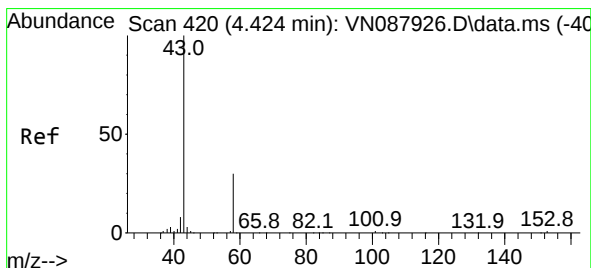
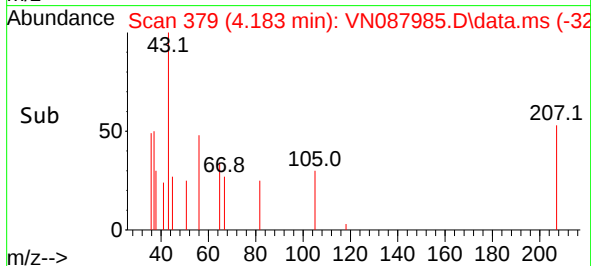
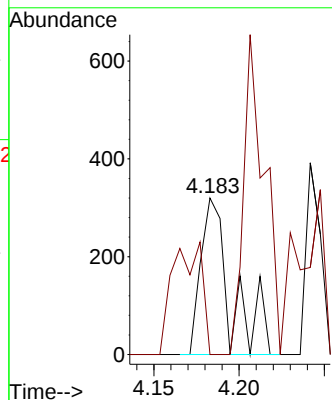
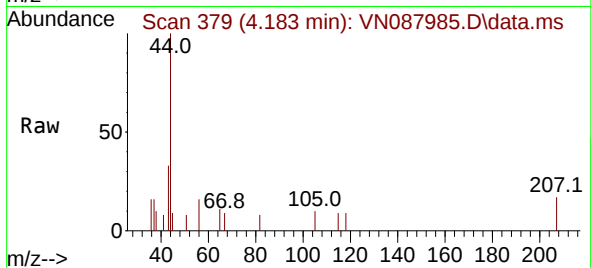
IBLK

Tgt Ion: 56 Resp: 390

Ion Ratio Lower Upper

56 100

55 70.0 59.3 88.9



#16

Acetone

Concen: 0.686 ug/l

RT: 4.406 min Scan# 417

Delta R.T. -0.018 min

Lab File: VN087985.D

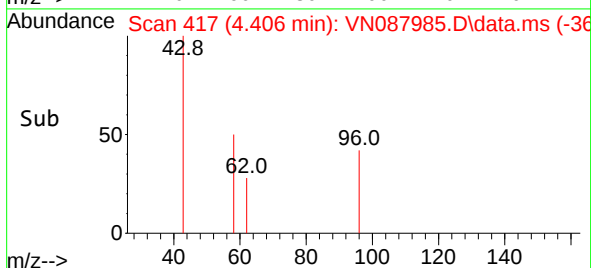
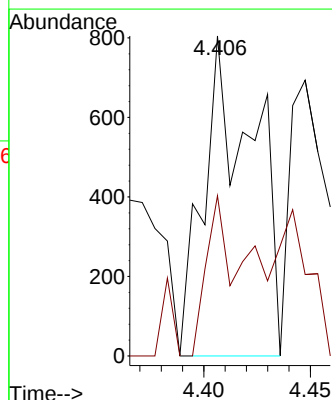
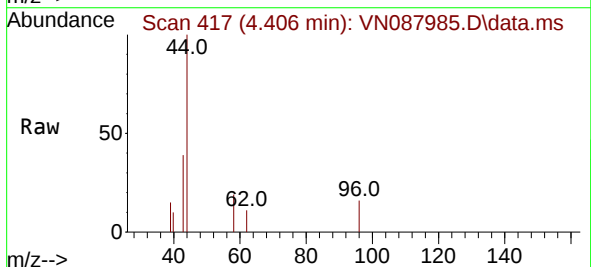
Acq: 29 Sep 2025 16:11

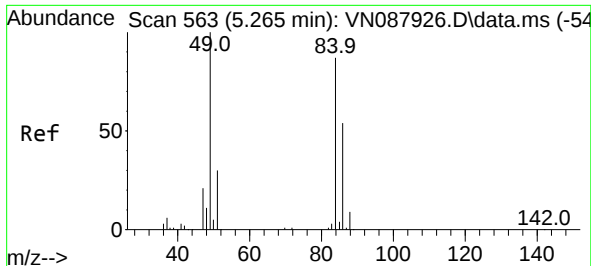
Tgt Ion: 43 Resp: 1309

Ion Ratio Lower Upper

43 100

58 50.1 24.1 36.1#

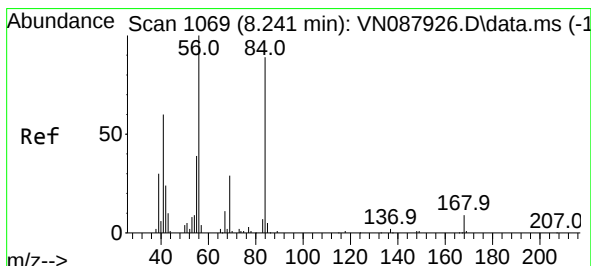
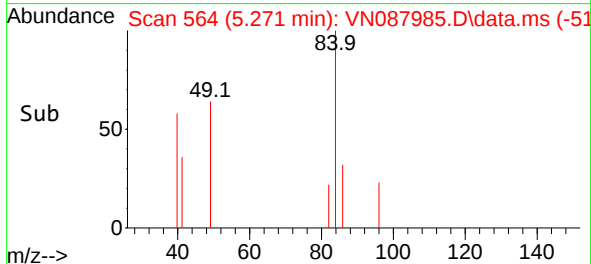
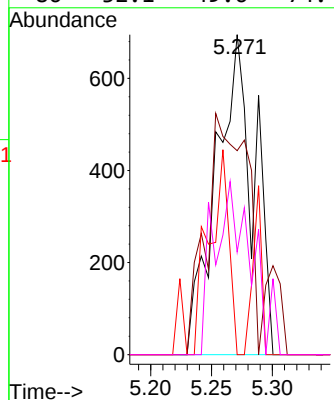
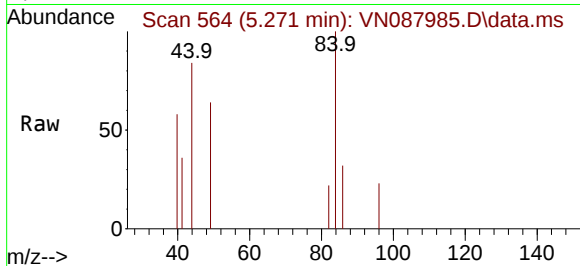




#20
Methylene Chloride
Concen: 0.388 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

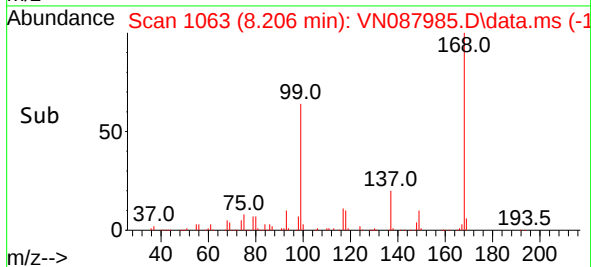
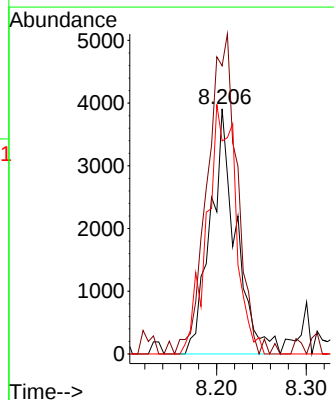
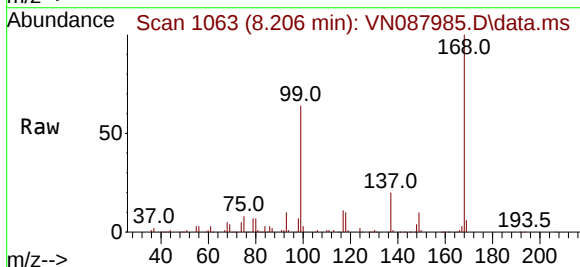
Instrument :
MSVOA_N
ClientSampleId :
IBLK

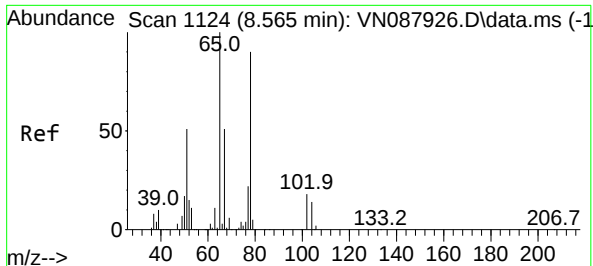
Tgt Ion:	84	Resp:	1498
Ion	Ratio	Lower	Upper
84	100		
49	63.7	92.1	138.1#
51	0.0	27.7	41.5#
86	32.1	49.6	74.4#



#31
Cyclohexane
Concen: 1.490 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion:	56	Resp:	7751
Ion	Ratio	Lower	Upper
56	100		
69	117.6	23.4	35.0#
84	86.9	70.8	106.2





#33

1,2-Dichloroethane-d4

Concen: 52.320 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

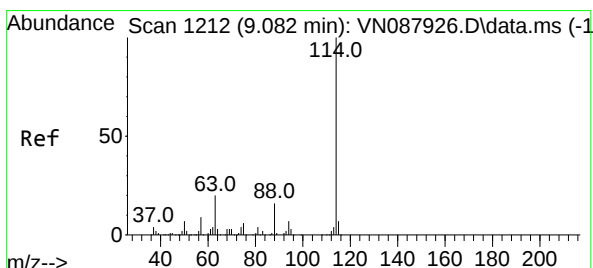
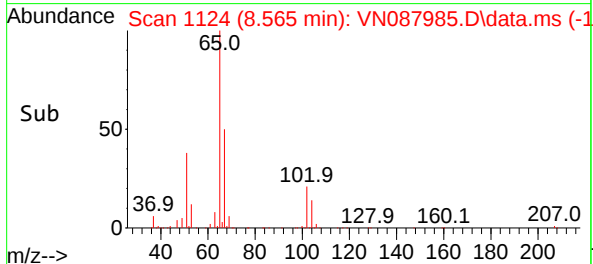
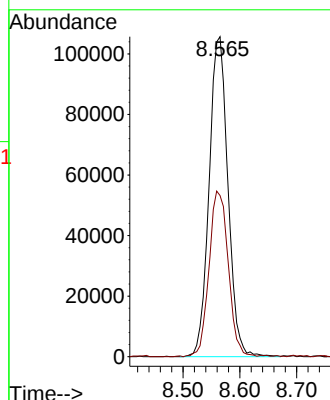
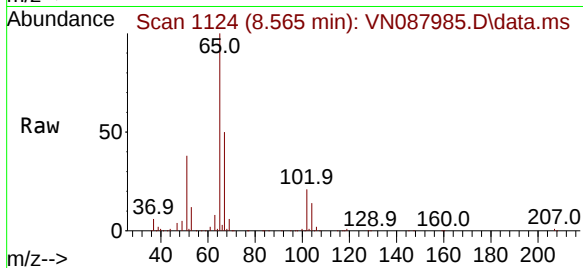
IBLK

Tgt Ion: 65 Resp: 242704

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

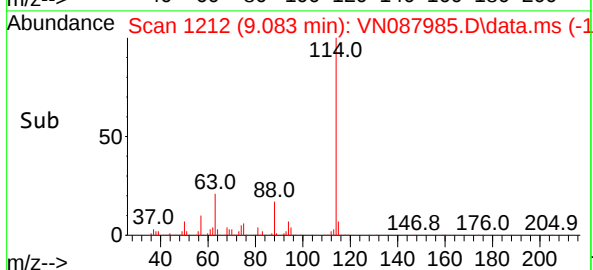
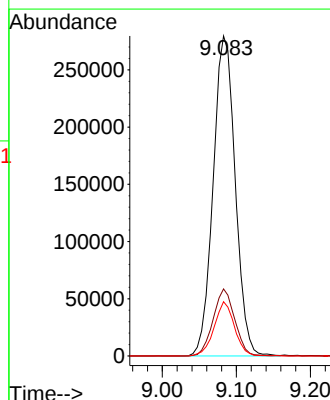
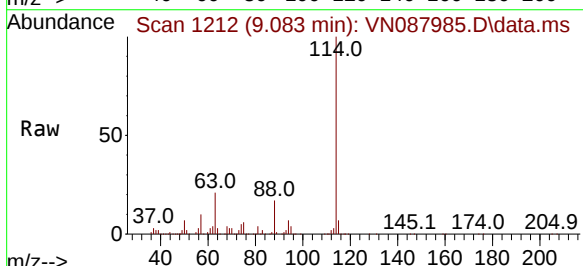
Tgt Ion: 114 Resp: 579420

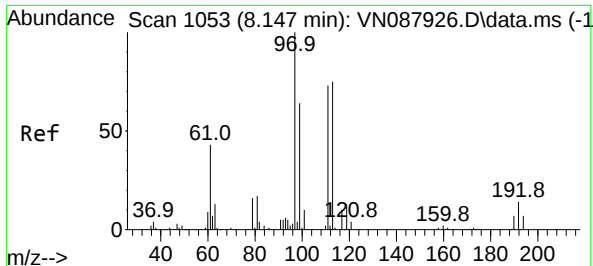
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

88 16.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.704 ug/l

RT: 8.153 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

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ClientSampleId :

IBLK

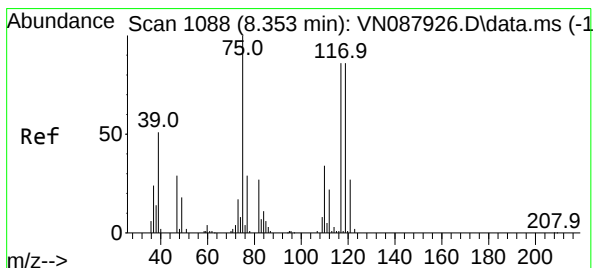
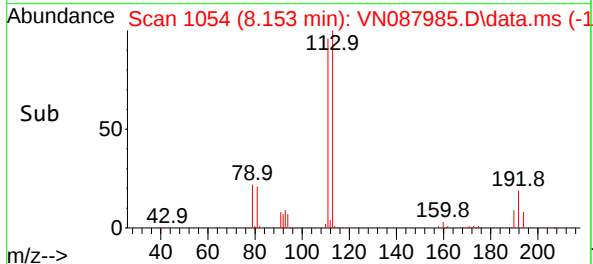
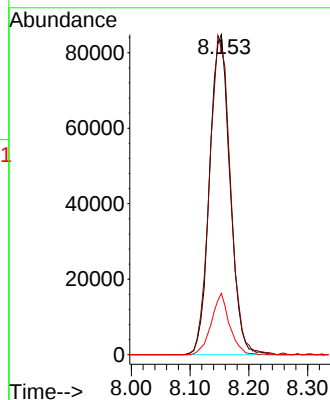
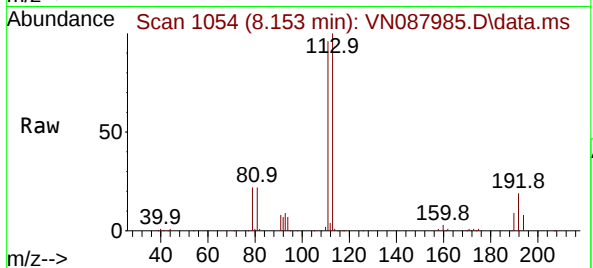
Tgt Ion:113 Resp: 204893

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 17.0 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.395 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

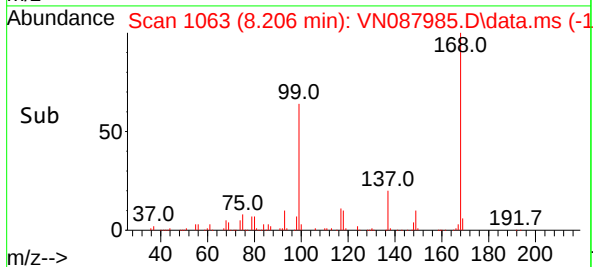
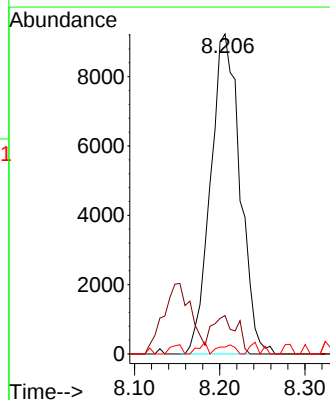
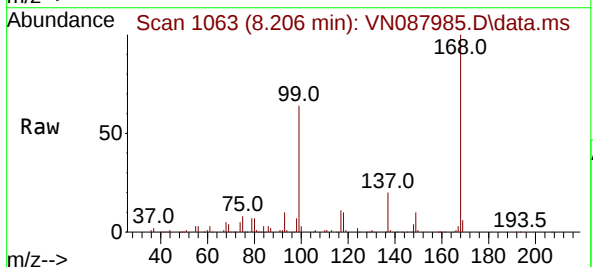
Tgt Ion: 75 Resp: 22231

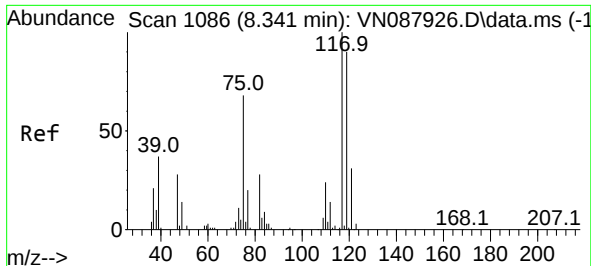
Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.3#

77 1.6 24.8 37.2#

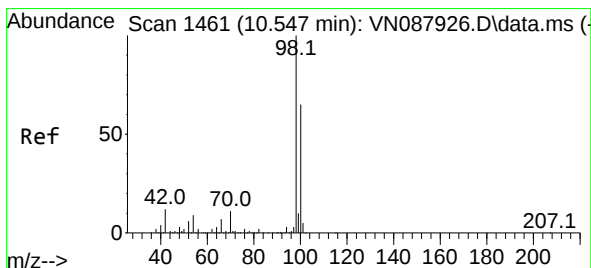
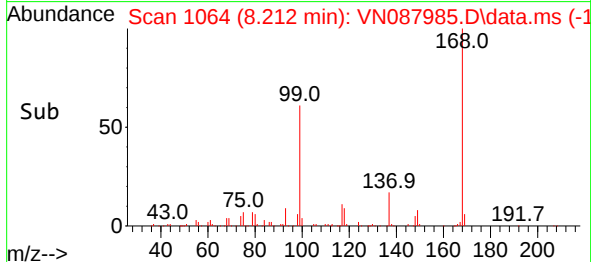
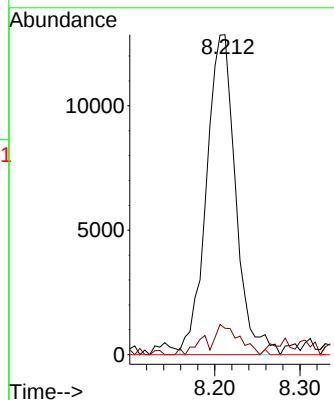
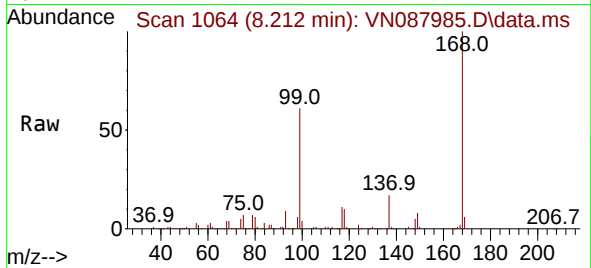




#38
Carbon Tetrachloride
Concen: 5.265 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

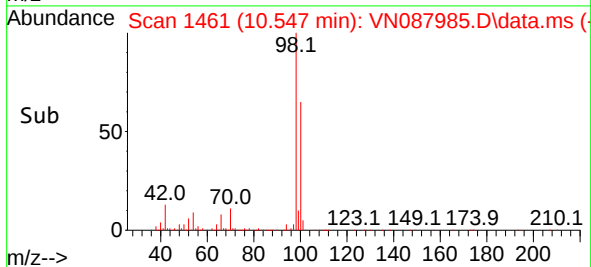
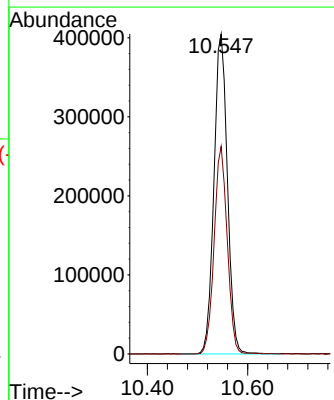
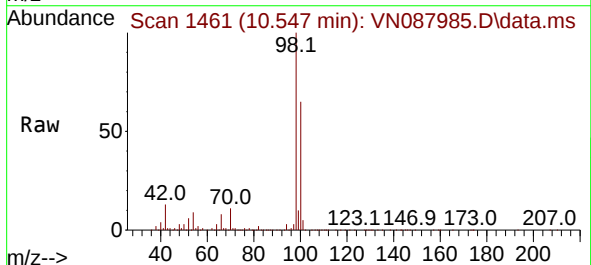
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ClientSampleId :
IBLK

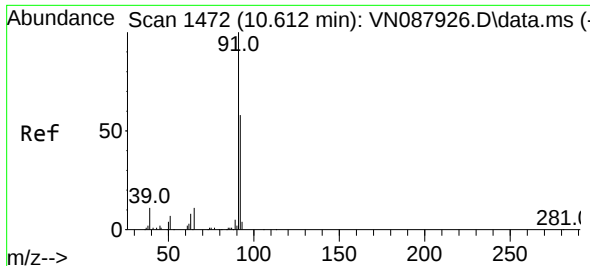
Tgt Ion:117 Resp: 30562
Ion Ratio Lower Upper
117 100
119 6.3 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.824 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 98 Resp: 751891
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

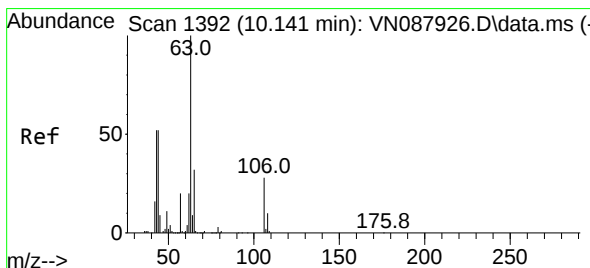
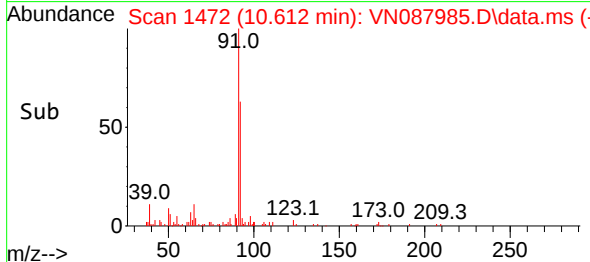
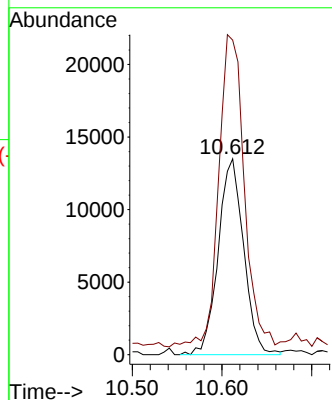
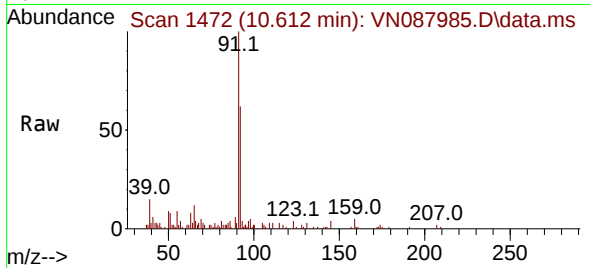




#52
Toluene
Concen: 2.529 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

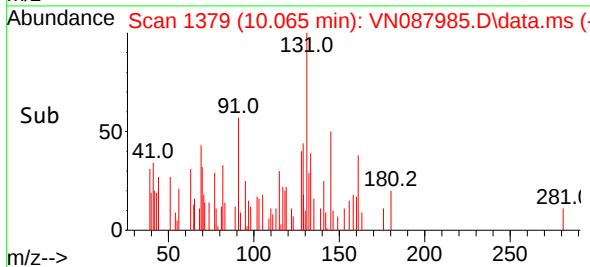
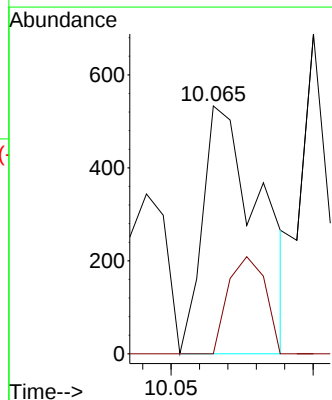
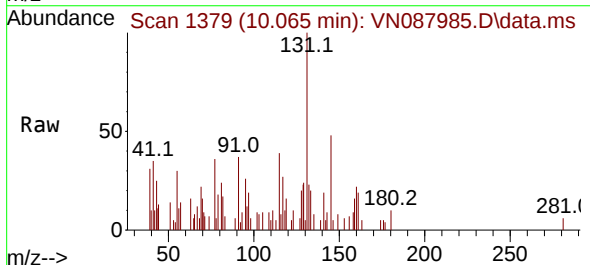
Instrument :
MSVOA_N
ClientSampleId :
IBLK

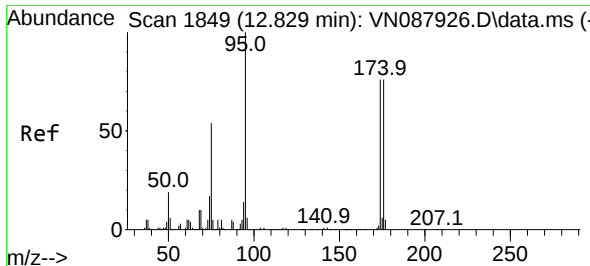
Tgt Ion: 92 Resp: 26583
Ion Ratio Lower Upper
92 100
91 160.2 138.2 207.2



#58
2-Chloroethyl Vinyl ether
Concen: 0.256 ug/l
RT: 10.065 min Scan# 1379
Delta R.T. -0.076 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 63 Resp: 744
Ion Ratio Lower Upper
63 100
106 25.5 22.6 33.8

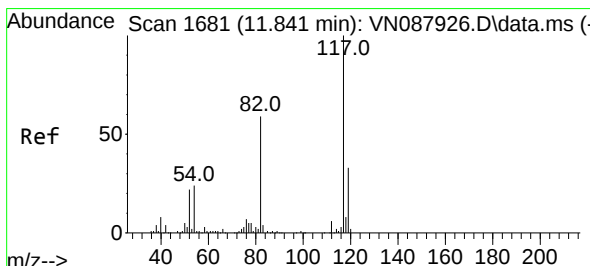
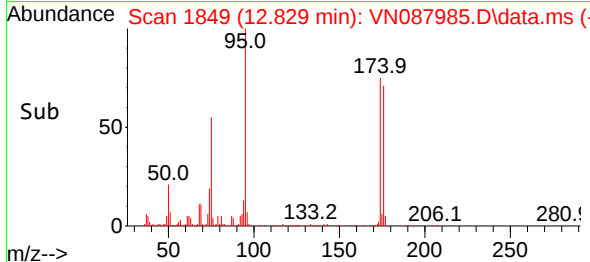
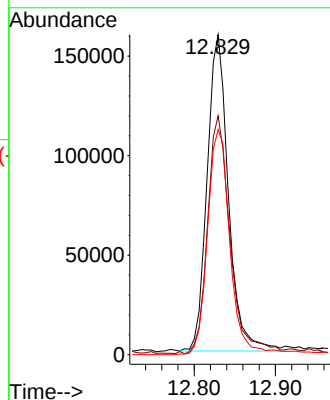
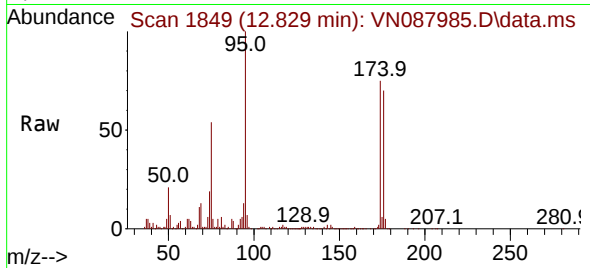




#62
4-Bromofluorobenzene
Concen: 54.652 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

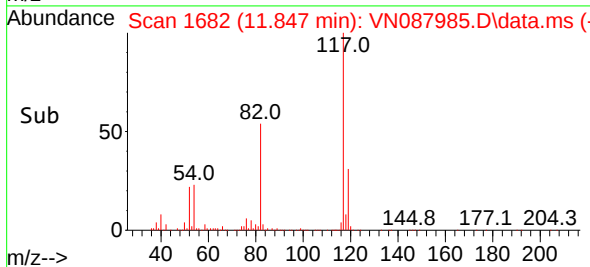
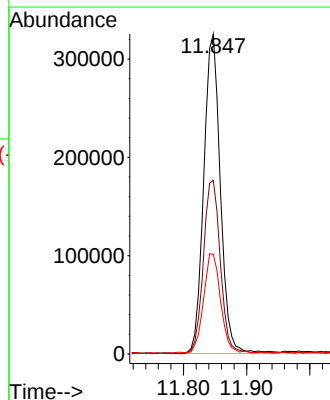
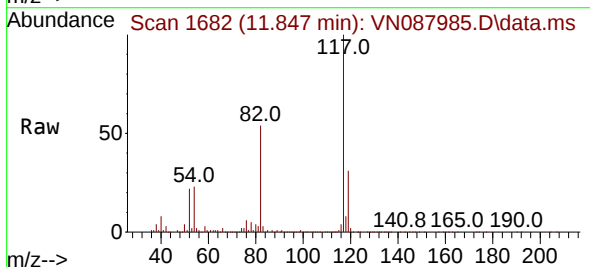
Instrument :
MSVOA_N
ClientSampleId :
IBLK

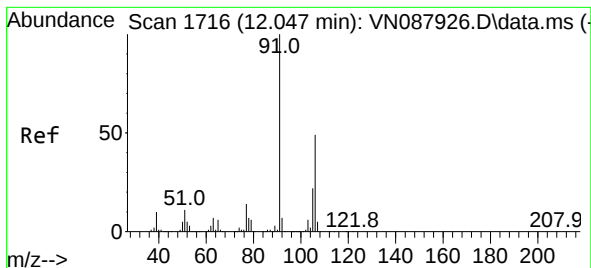
Tgt Ion: 95 Resp: 289006
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.2
176 76.5 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 117 Resp: 595422
Ion Ratio Lower Upper
117 100
82 54.2 47.0 70.4
119 30.8 26.1 39.1

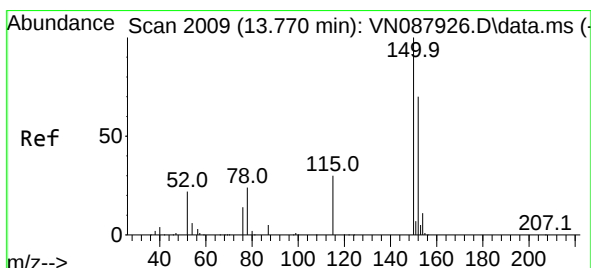
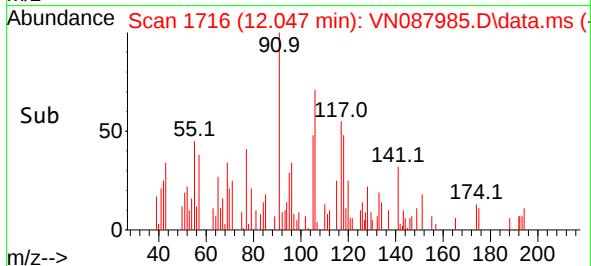
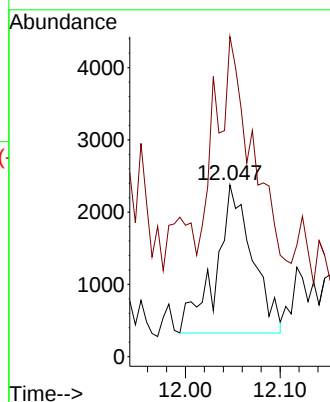
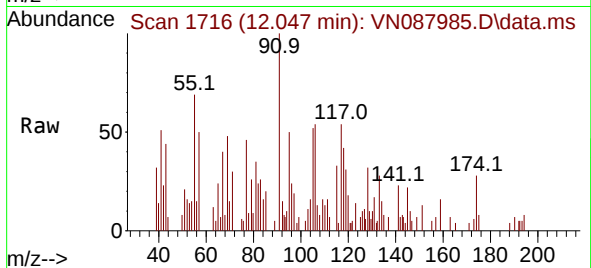




#68
m/p-Xylenes
Concen: 0.681 ug/l
RT: 12.047 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

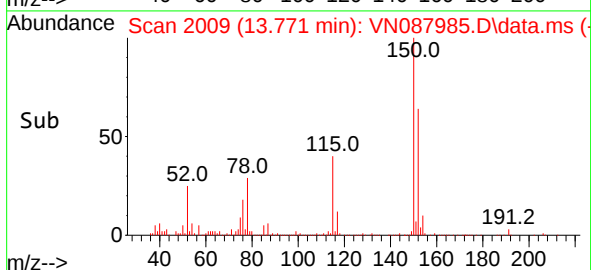
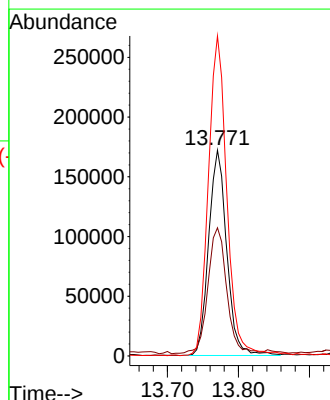
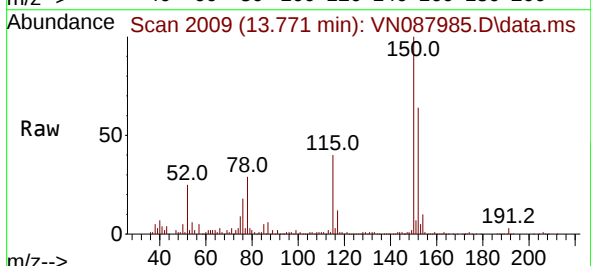
Instrument :
MSVOA_N
ClientSampleId :
IBLK

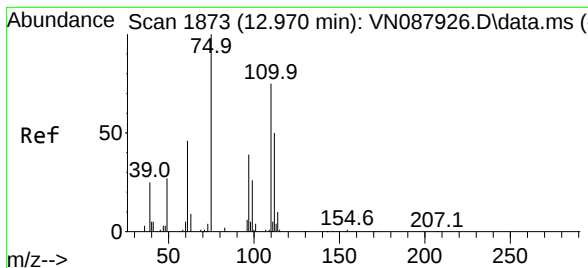
Tgt Ion:106 Resp: 5504
Ion Ratio Lower Upper
106 100
91 147.3 162.9 244.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion:152 Resp: 305619
Ion Ratio Lower Upper
152 100
115 62.5 29.9 89.7
150 158.3 0.0 335.0

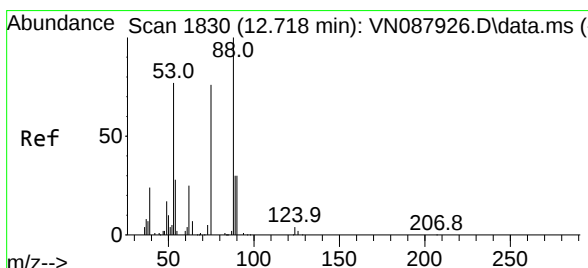
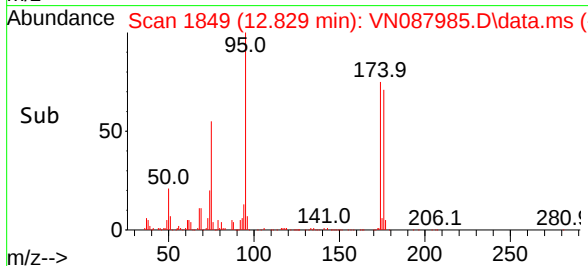
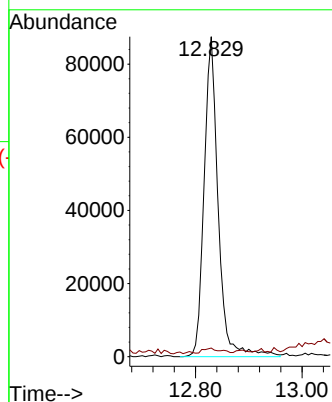
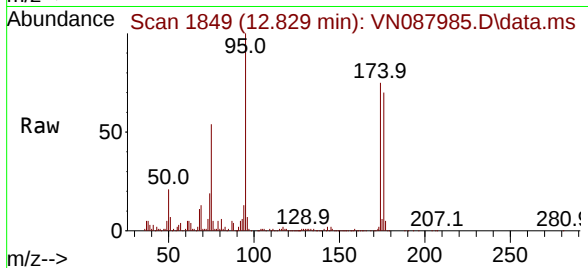




#76
1,2,3-Trichloropropane
Concen: 26.564 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

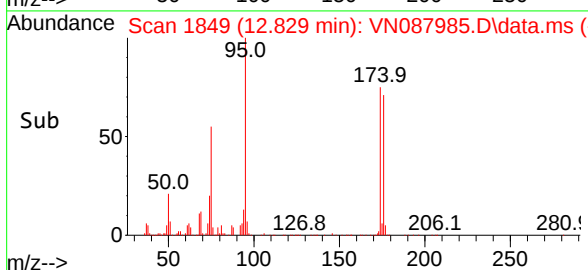
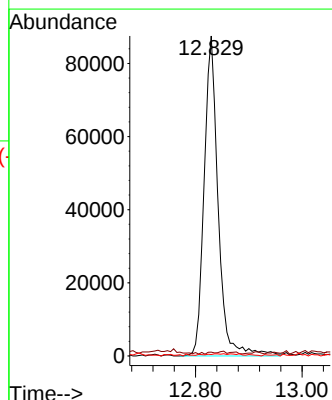
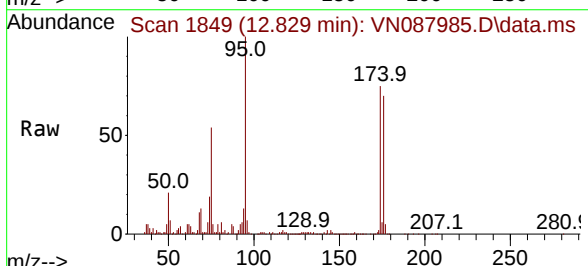
Instrument :
MSVOA_N
ClientSampleId :
IBLK

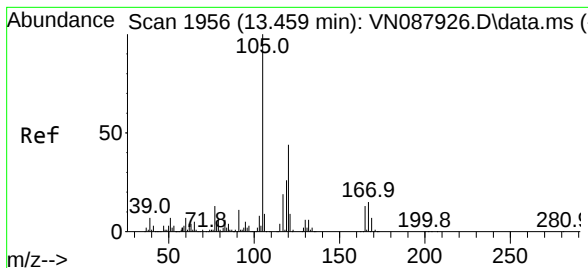
Tgt Ion: 75 Resp: 160035
Ion Ratio Lower Upper
75 100
77 1.9 89.5 268.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.765 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087985.D
Acq: 29 Sep 2025 16:11

Tgt Ion: 75 Resp: 160035
Ion Ratio Lower Upper
75 100
53 0.4 82.0 123.0#
89 0.0 36.1 54.1#





#84

1,2,4-Trimethylbenzene

Concen: 0.269 ug/l

RT: 13.482 min Scan# 1956

Delta R.T. 0.024 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

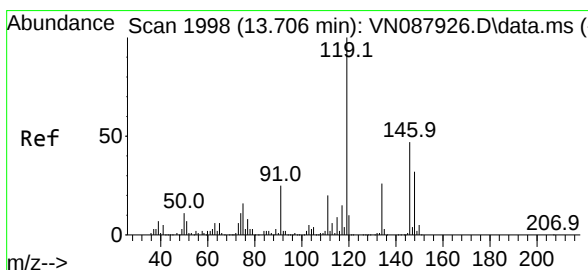
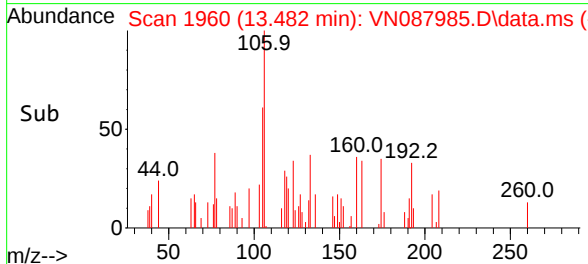
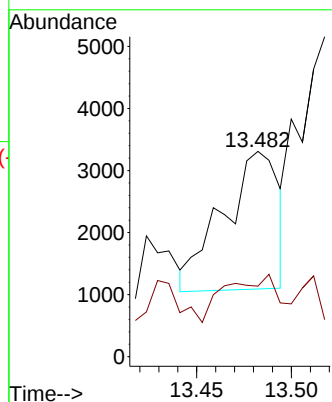
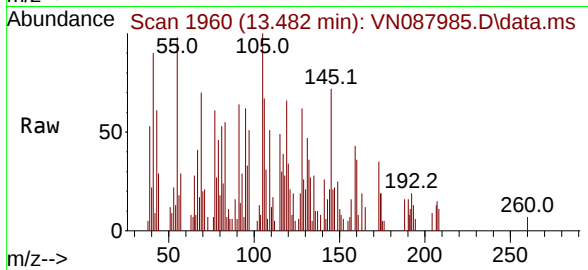
IBLK

Tgt Ion:105 Resp: 4520

Ion Ratio Lower Upper

105 100

120 42.1 22.4 67.3



#86

p-Isopropyltoluene

Concen: 0.386 ug/l

RT: 13.847 min Scan# 2022

Delta R.T. 0.141 min

Lab File: VN087985.D

Acq: 29 Sep 2025 16:11

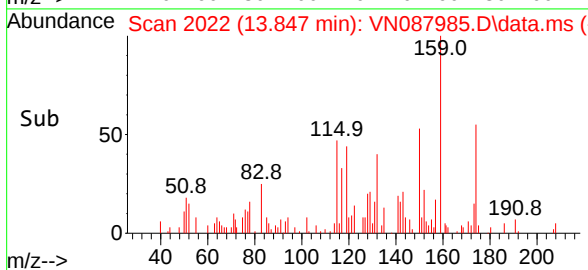
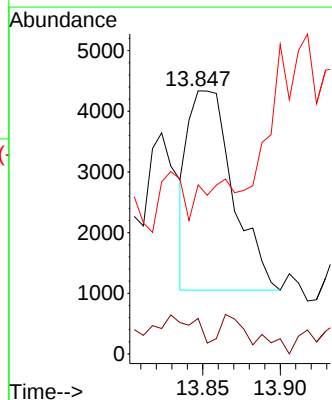
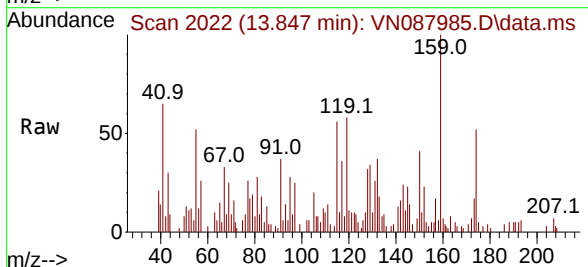
Tgt Ion:119 Resp: 6645

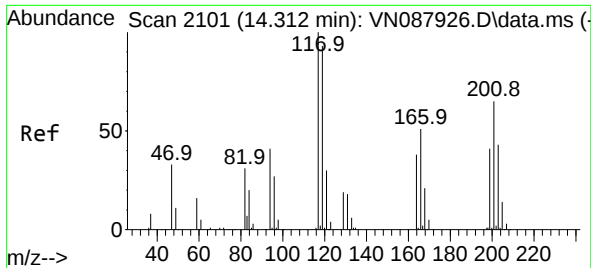
Ion Ratio Lower Upper

119 100

134 14.9 13.1 39.3

91 14.5 11.9 35.5





#90
 Hexachloroethane
 Concen: 0.221 ug/l
 RT: 14.318 min Scan# 2101
 Delta R.T. 0.006 min
 Lab File: VN087985.D
 Acq: 29 Sep 2025 16:11

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:117 Resp: 795
 Ion Ratio Lower Upper
 117 100
 201 8.3 33.6 100.6#

