

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087300.D
 Acq On : 08 Jul 2025 15:36
 Operator : JC\MD
 Sample : Q2480-05 1000X
 Misc : 8.59g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GPX5

Quant Time: Jul 09 01:33:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

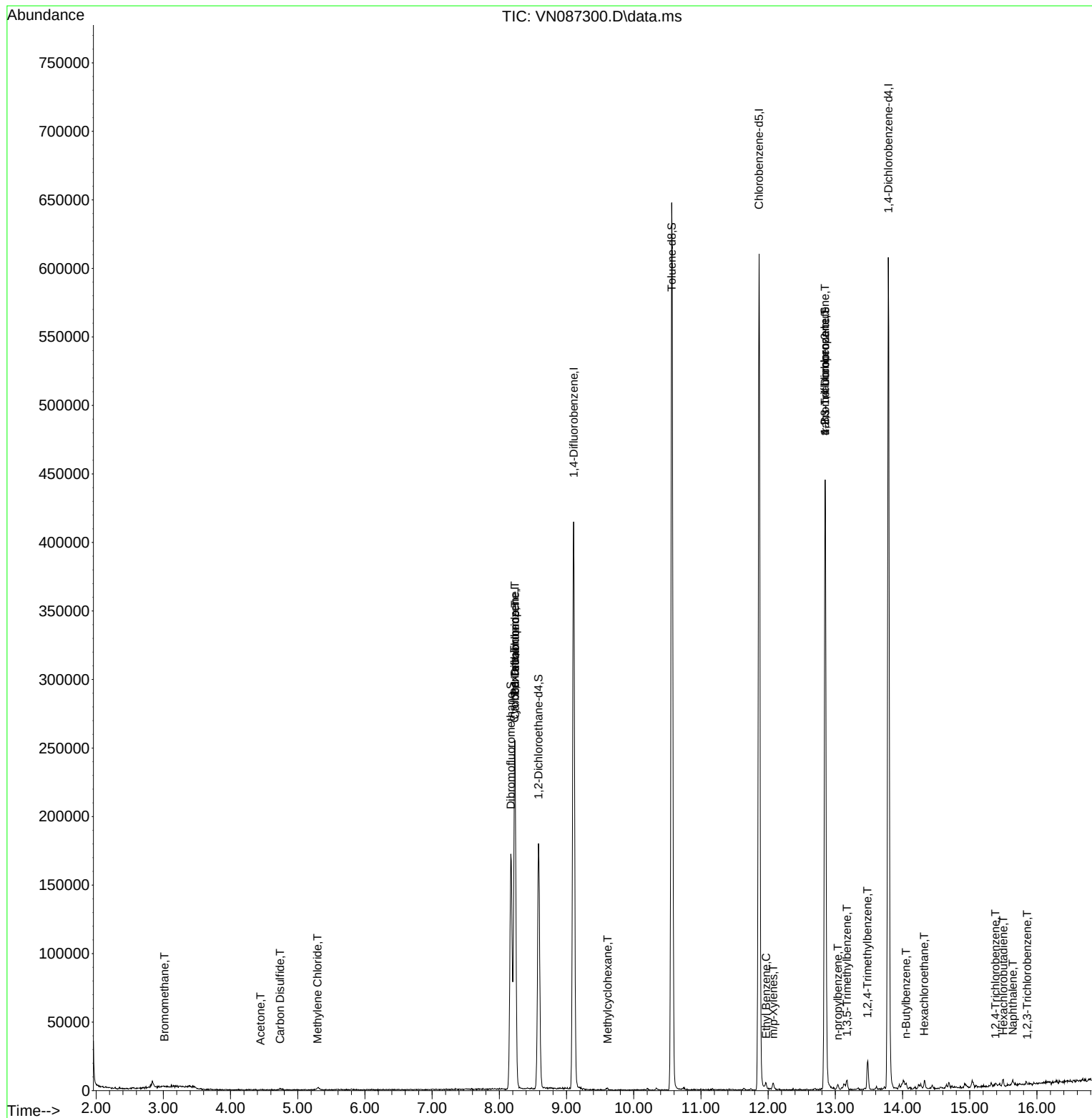
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	203934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	147457	57.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.220%
35) Dibromofluoromethane	8.171	113	125810	51.566	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.140%
50) Toluene-d8	10.565	98	467630	49.173	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.847	95	159406	47.110	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.220%
Target Compounds						
					Qvalue	
5) Bromomethane	3.018	94	430	0.238	ug/l #	3
16) Acetone	4.448	43	216	0.221	ug/l #	41
17) Carbon Disulfide	4.736	76	1526	0.268	ug/l #	76
20) Methylene Chloride	5.295	84	1674	0.772	ug/l #	73
31) Cyclohexane	8.224	56	4668	1.339	ug/l #	46
36) 1,1-Dichloropropene	8.230	75	14295	4.309	ug/l #	48
38) Carbon Tetrachloride	8.236	117	19492	5.185	ug/l #	15
39) Methylcyclohexane	9.612	83	792	0.200	ug/l #	55
67) Ethyl Benzene	11.971	91	3001	0.225	ug/l #	63
68) m/p-Xylenes	12.076	106	1427	0.268	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	81374	24.992	ug/l #	1
78) n-propylbenzene	13.035	91	3442	0.258	ug/l	93
80) 1,3,5-Trimethylbenzene	13.171	105	3625	0.393	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.847	75	81374	58.704	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.476	105	12439	1.347	ug/l	96
89) n-Butylbenzene	14.053	91	2507	0.289	ug/l #	81
90) Hexachloroethane	14.323	117	377	0.207	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.382	180	850	0.268	ug/l #	59
94) Hexachlorobutadiene	15.500	225	909	0.902	ug/l	96
95) Naphthalene	15.641	128	4024	0.367	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.853	180	632	0.205	ug/l #	12

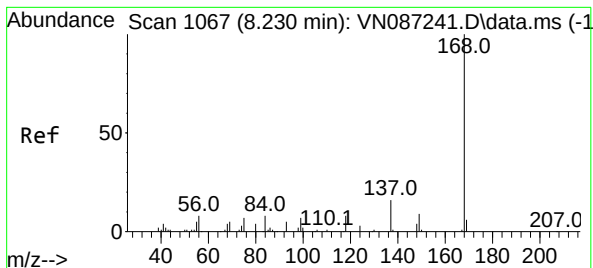
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

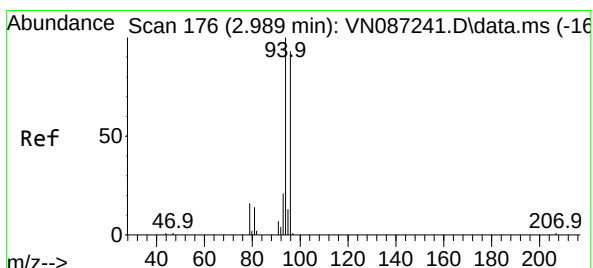
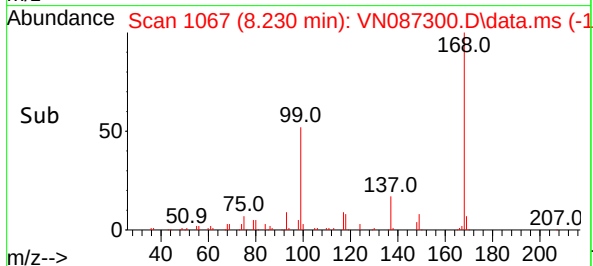
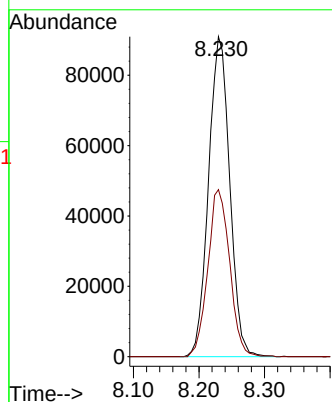
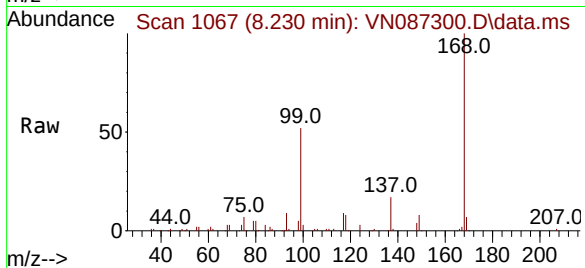




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

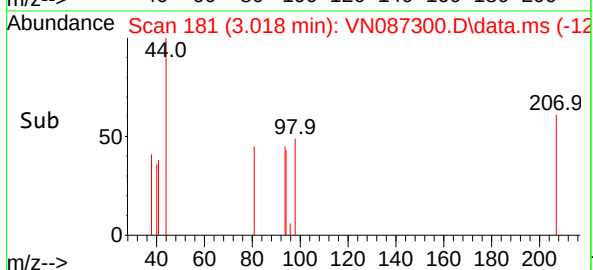
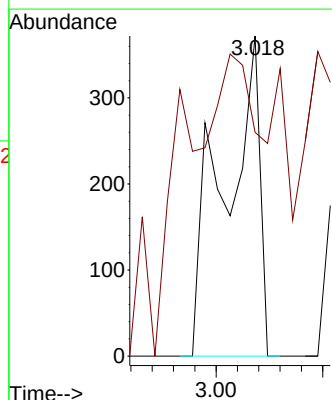
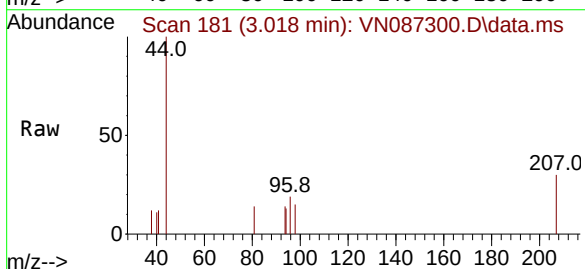
Instrument :
MSVOA_N
ClientSampleId :
GPX5

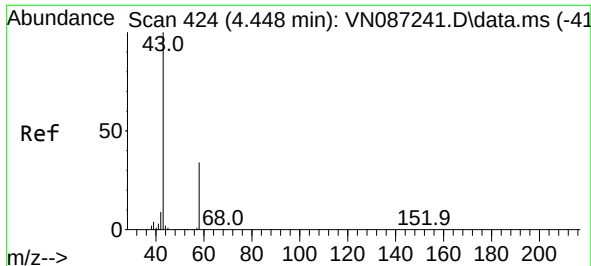
Tgt Ion:168 Resp: 203934
Ion Ratio Lower Upper
168 100
99 52.2 42.6 64.0



#5
Bromomethane
Concen: 0.238 ug/l
RT: 3.018 min Scan# 181
Delta R.T. 0.029 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 94 Resp: 430
Ion Ratio Lower Upper
94 100
96 0.0 74.3 111.5#





#16

Acetone

Concen: 0.221 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN087300.D

Acq: 08 Jul 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

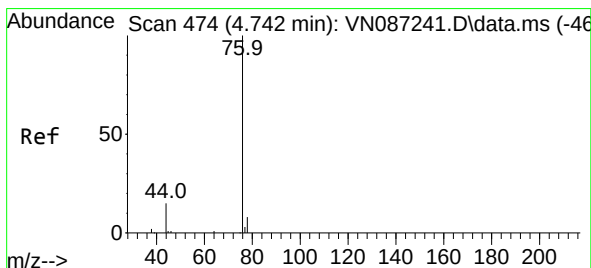
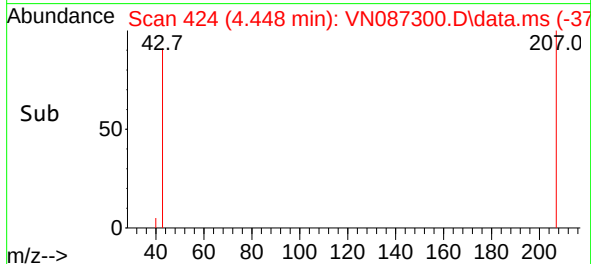
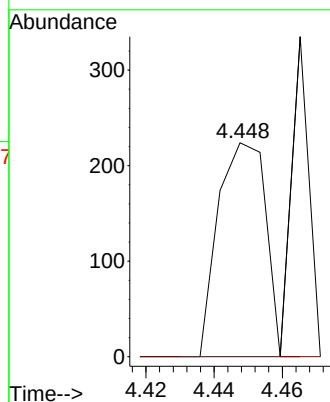
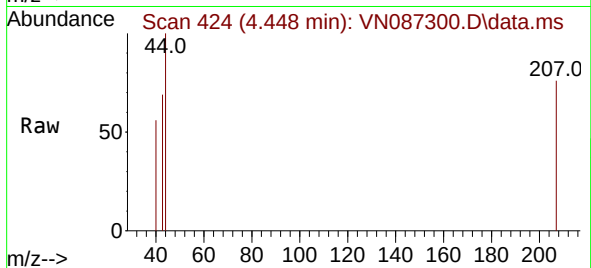
GPX5

Tgt Ion: 43 Resp: 216

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#17

Carbon Disulfide

Concen: 0.268 ug/l

RT: 4.736 min Scan# 473

Delta R.T. -0.006 min

Lab File: VN087300.D

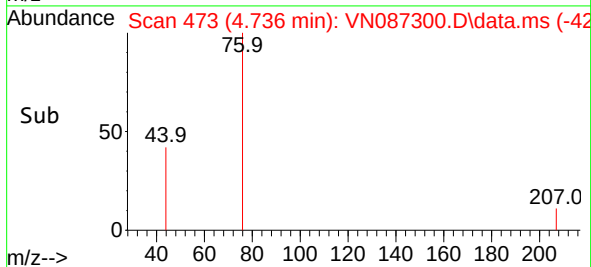
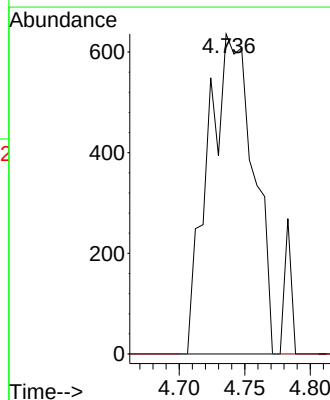
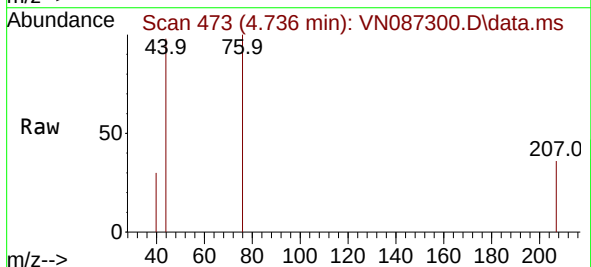
Acq: 08 Jul 2025 15:36

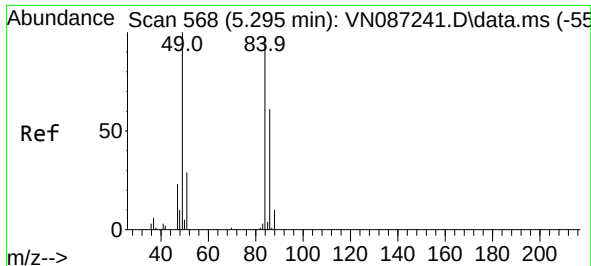
Tgt Ion: 76 Resp: 1526

Ion Ratio Lower Upper

76 100

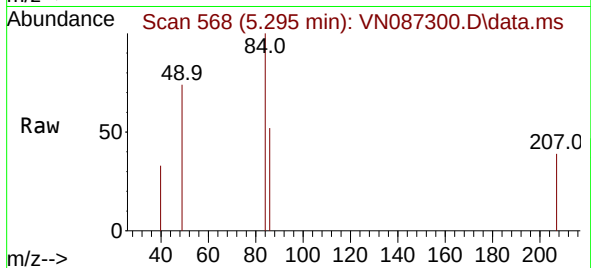
78 0.0 6.8 10.2#



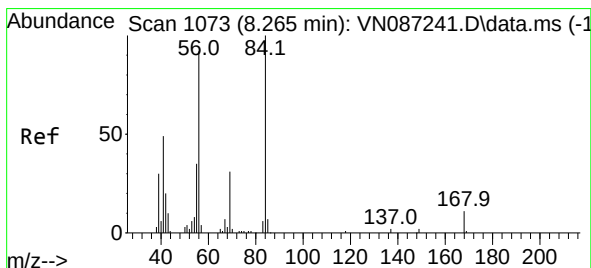
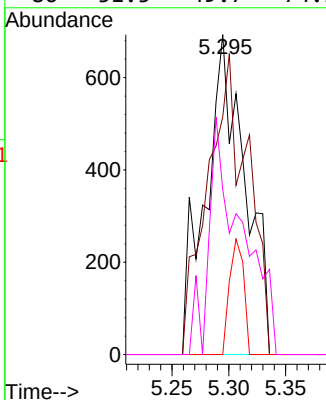
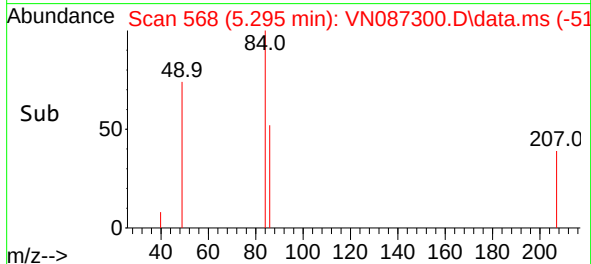


#20
Methylene Chloride
Concen: 0.772 ug/l
RT: 5.295 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

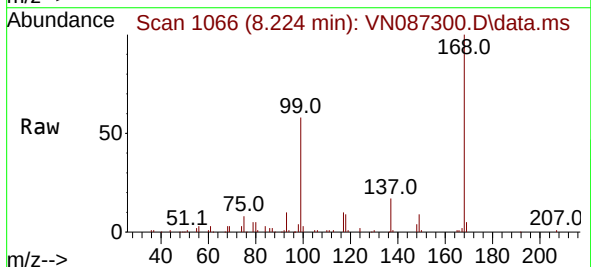
Instrument :
MSVOA_N
ClientSampleId :
GPX5



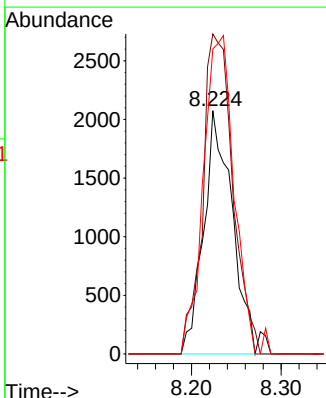
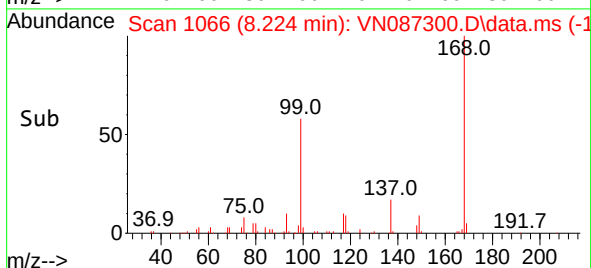
Tgt Ion:	84	Resp:	1674
Ion	Ratio	Lower	Upper
84	100		
49	74.3	82.1	123.1#
51	0.0	23.5	35.3#
86	51.5	49.7	74.5

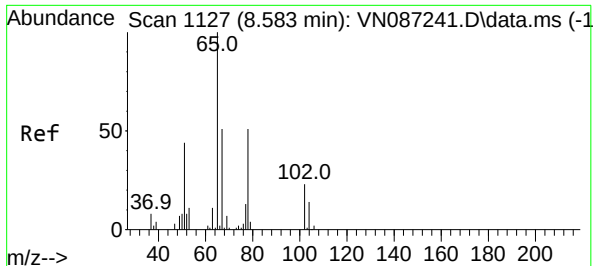


#31
Cyclohexane
Concen: 1.339 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36



Tgt Ion:	56	Resp:	4668
Ion	Ratio	Lower	Upper
56	100		
69	131.5	27.0	40.6#
84	125.3	86.2	129.4





#33

1,2-Dichloroethane-d4

Concen: 57.612 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087300.D

Acq: 08 Jul 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

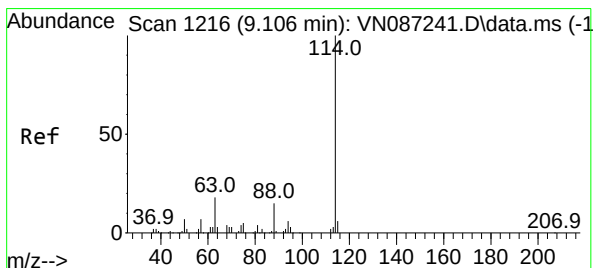
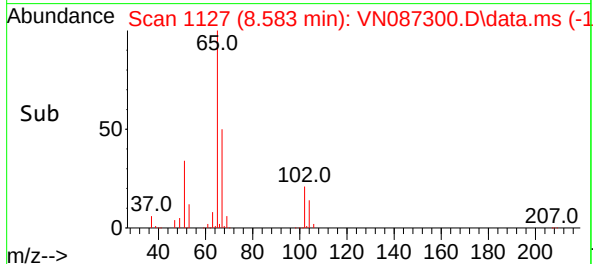
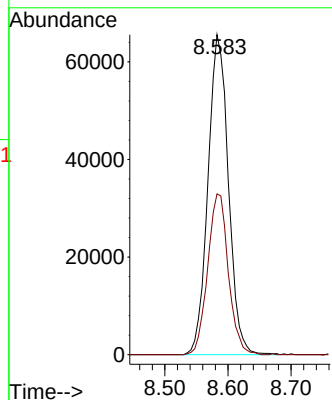
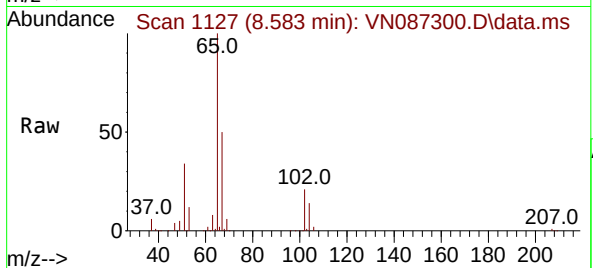
GPX5

Tgt Ion: 65 Resp: 147457

Ion Ratio Lower Upper

65 100

67 50.7 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087300.D

Acq: 08 Jul 2025 15:36

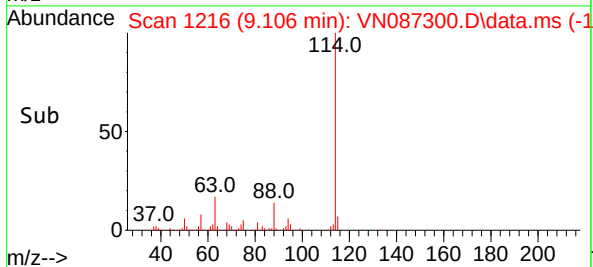
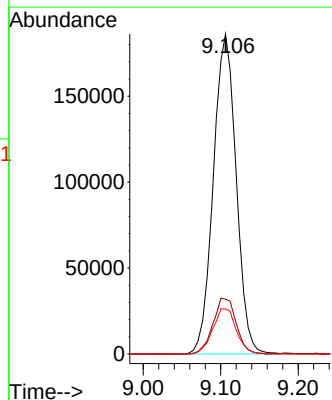
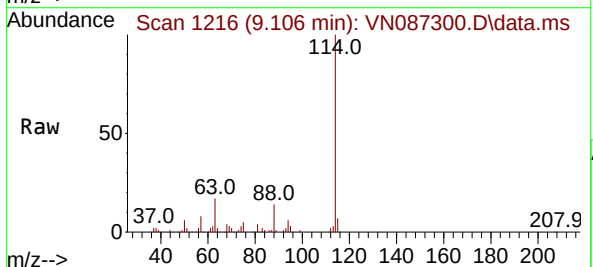
Tgt Ion: 114 Resp: 381036

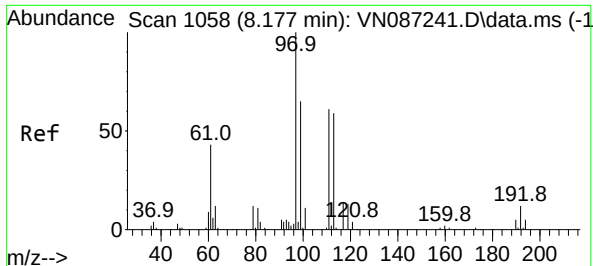
Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

88 14.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.566 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087300.D

Acq: 08 Jul 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

GPX5

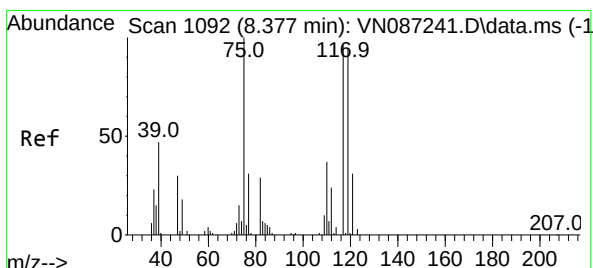
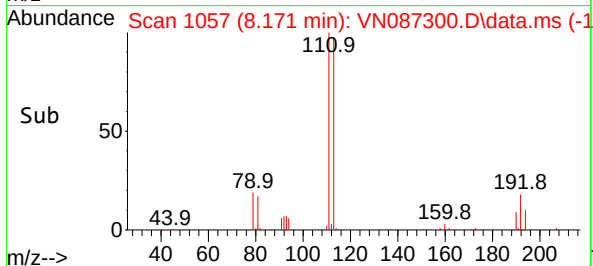
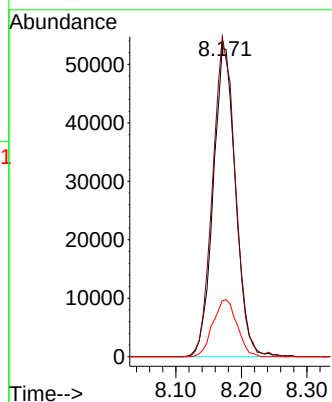
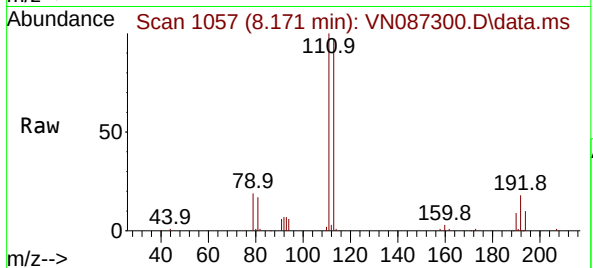
Tgt Ion:113 Resp: 125810

Ion Ratio Lower Upper

113 100

111 104.6 81.4 122.2

192 19.8 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.309 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087300.D

Acq: 08 Jul 2025 15:36

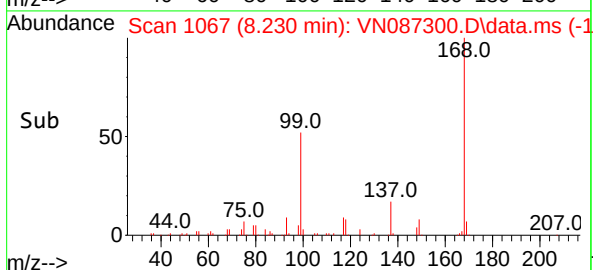
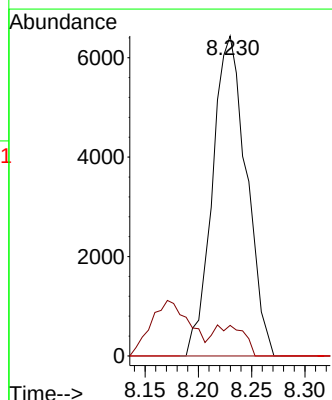
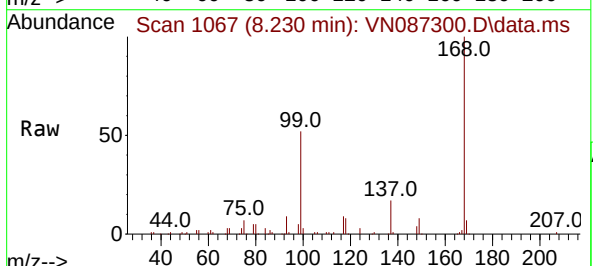
Tgt Ion: 75 Resp: 14295

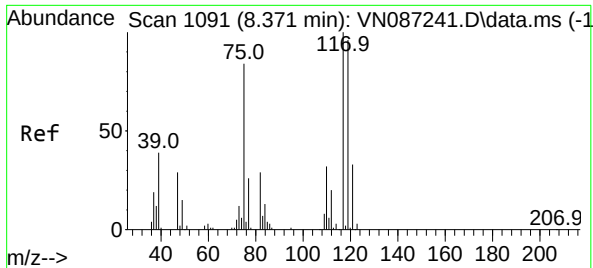
Ion Ratio Lower Upper

75 100

110 8.7 18.7 56.1#

77 0.0 24.5 36.7#

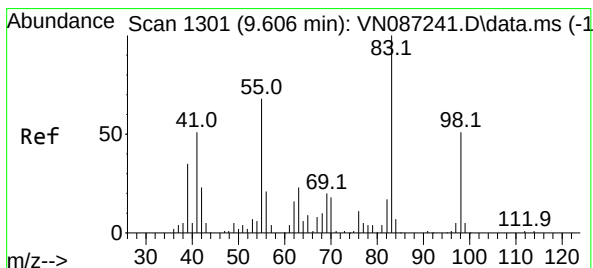
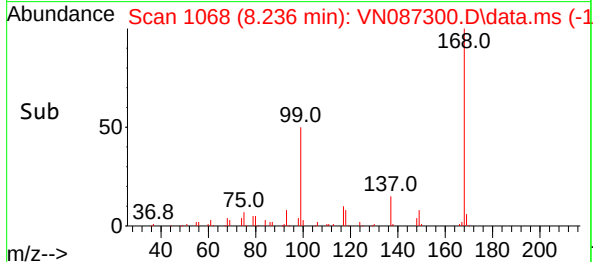
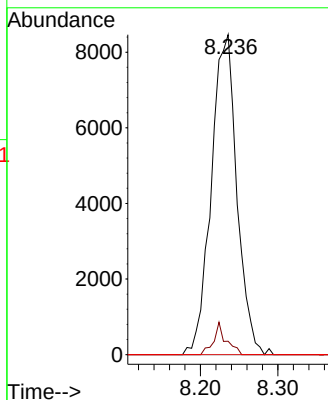
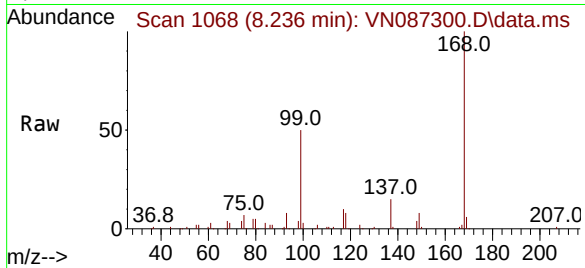




#38
Carbon Tetrachloride
Concen: 5.185 ug/l
RT: 8.236 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

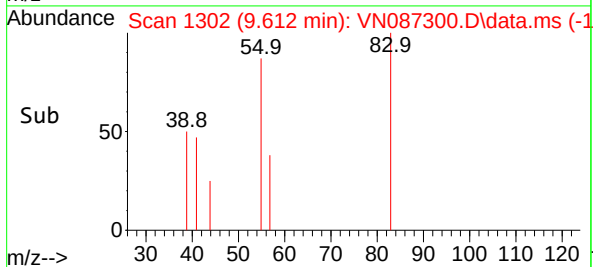
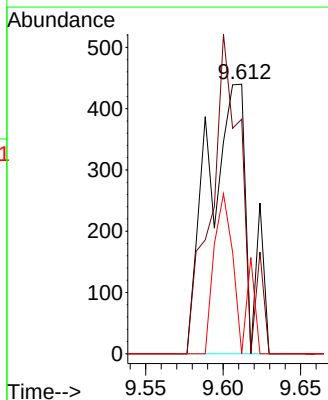
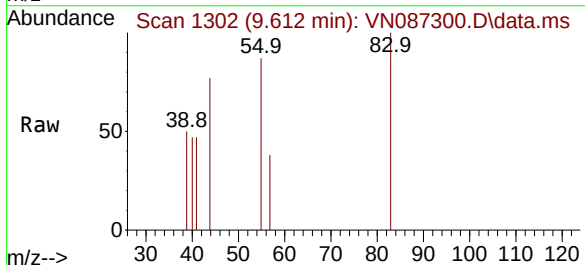
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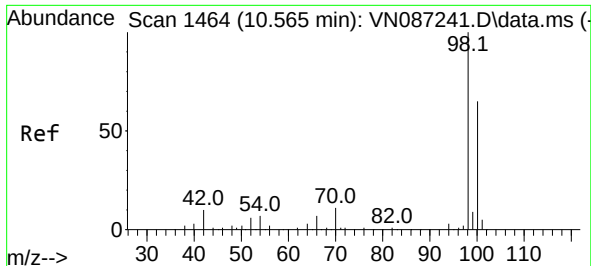
Tgt Ion:117 Resp: 19492
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 26.6 39.8#



#39
Methylcyclohexane
Concen: 0.200 ug/l
RT: 9.612 min Scan# 1302
Delta R.T. 0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 83 Resp: 792
Ion Ratio Lower Upper
83 100
55 87.0 54.6 81.8#
98 0.0 41.2 61.8#

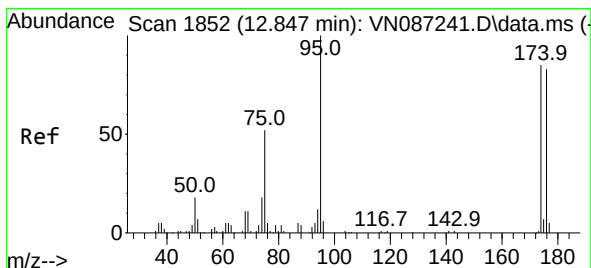
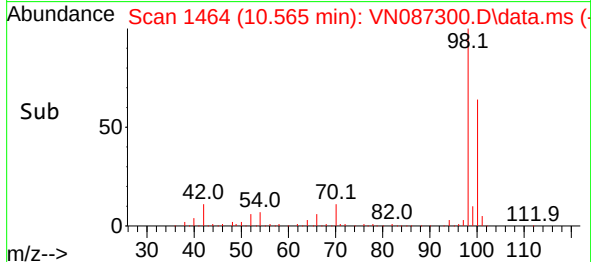
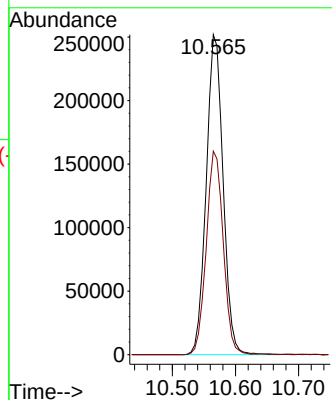
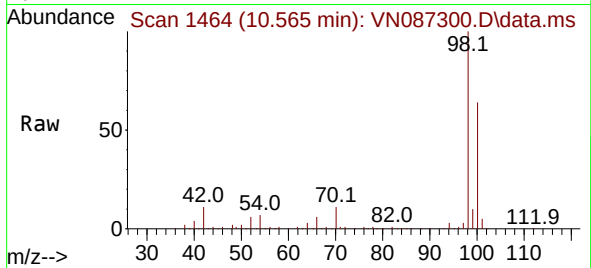




#50
Toluene-d8
Concen: 49.173 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

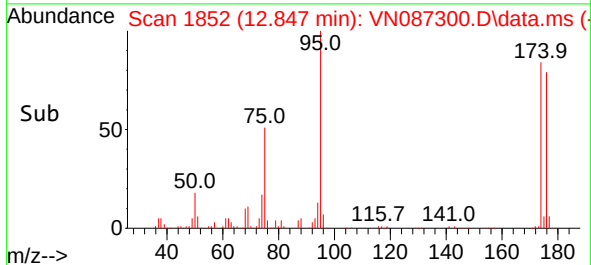
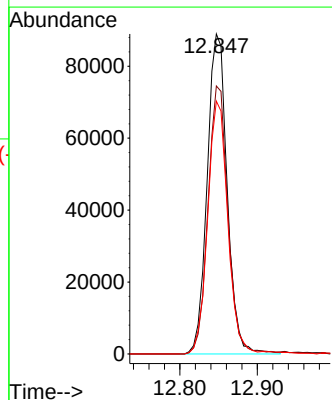
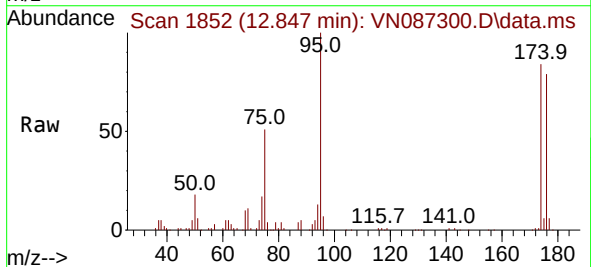
Instrument :
MSVOA_N
ClientSampleId :
GPX5

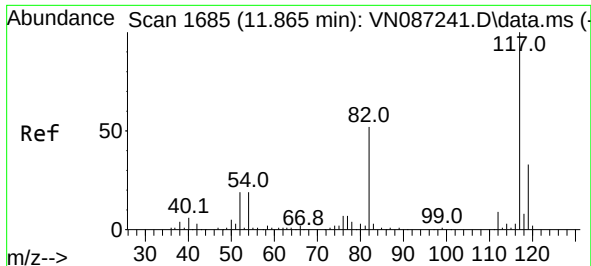
Tgt Ion: 98 Resp: 467630
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.110 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 95 Resp: 159406
Ion Ratio Lower Upper
95 100
174 83.7 0.0 169.6
176 80.1 0.0 161.6

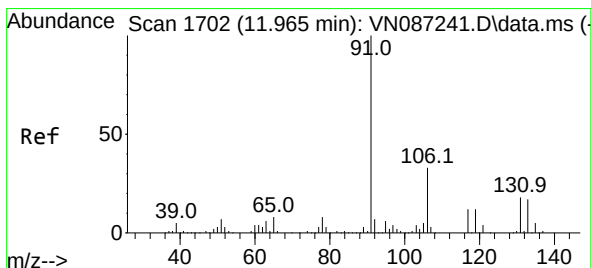
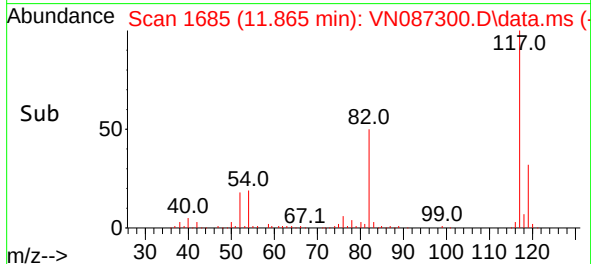
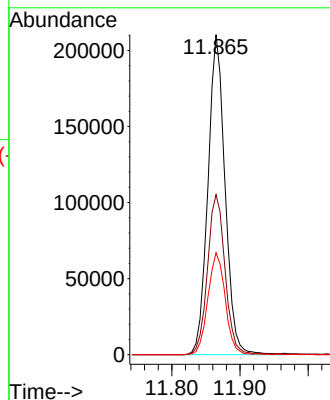
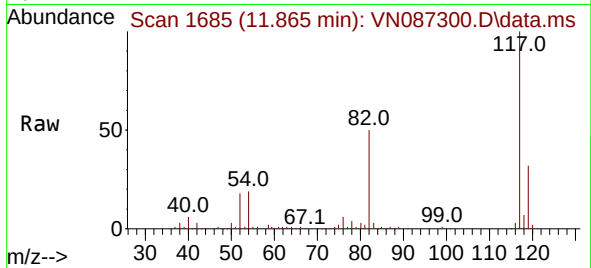




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

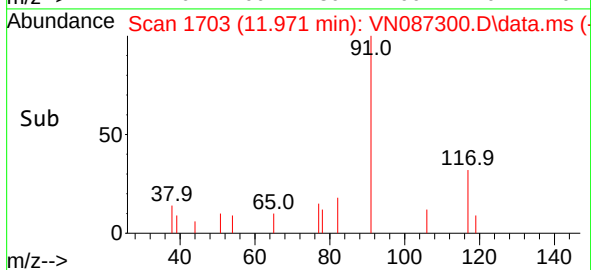
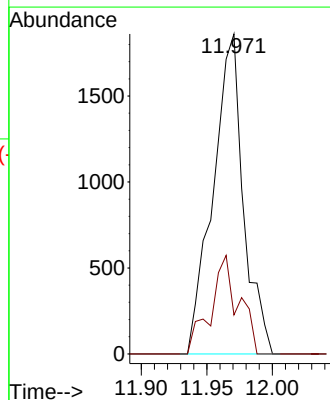
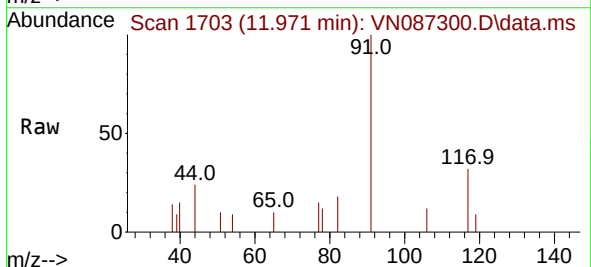
Instrument :
MSVOA_N
ClientSampleId :
GPX5

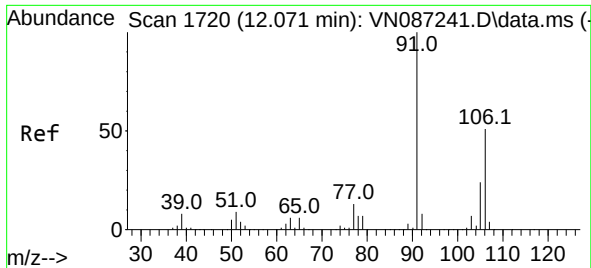
Tgt Ion:117 Resp: 367407
Ion Ratio Lower Upper
117 100
82 50.0 41.9 62.9
119 31.8 26.2 39.4



#67
Ethyl Benzene
Concen: 0.225 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 91 Resp: 3001
Ion Ratio Lower Upper
91 100
106 12.2 26.2 39.4#

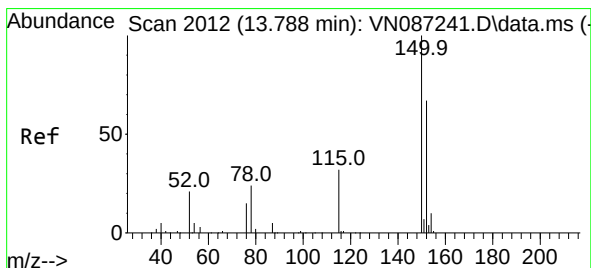
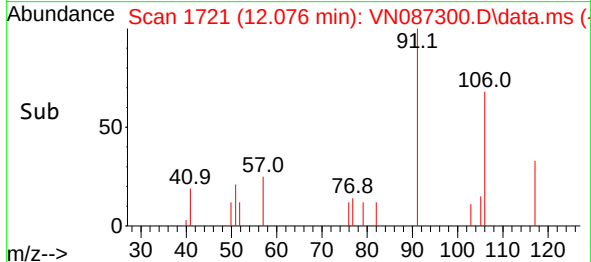
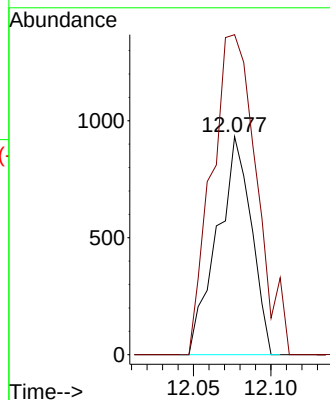
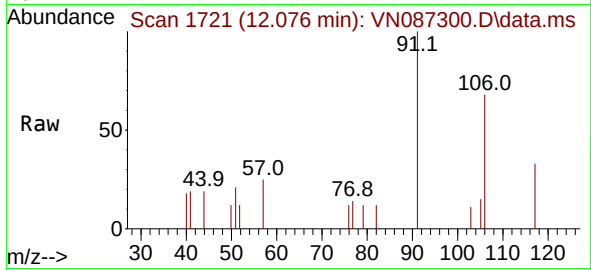




#68
m/p-Xylenes
Concen: 0.268 ug/l
RT: 12.076 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

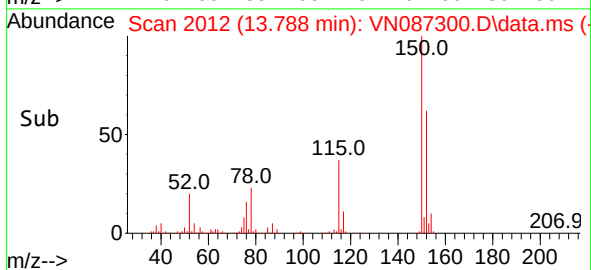
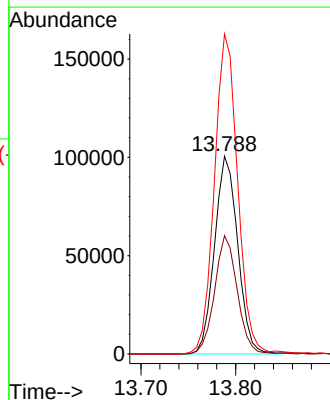
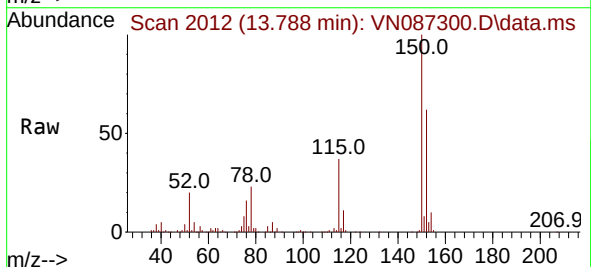
Instrument :
MSVOA_N
ClientSampleId :
GPX5

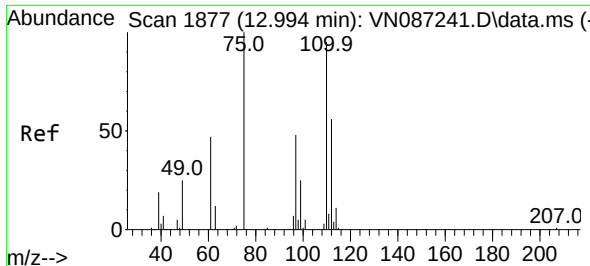
Tgt Ion:106 Resp: 1427
Ion Ratio Lower Upper
106 100
91 193.2 158.2 237.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion:152 Resp: 171179
Ion Ratio Lower Upper
152 100
115 58.6 28.3 84.9
150 162.8 0.0 344.6

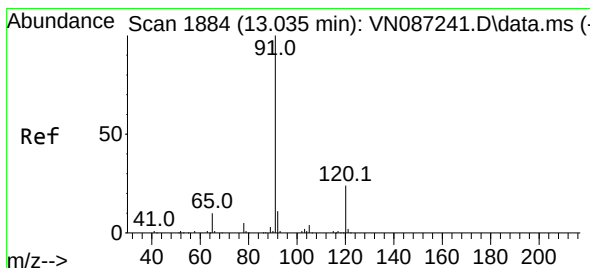
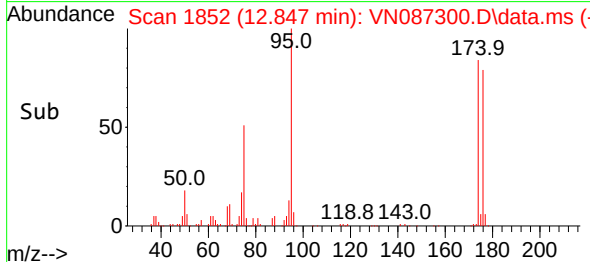
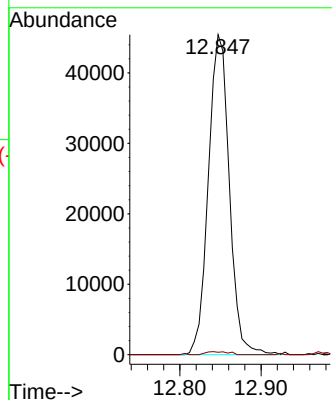
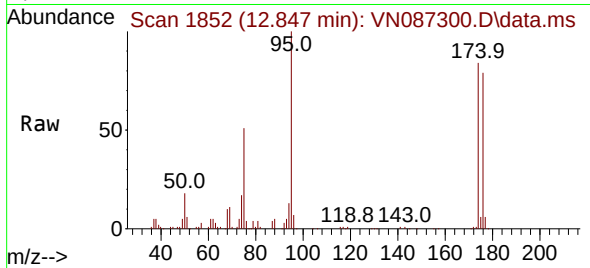




#76
1,2,3-Trichloropropane
Concen: 24.992 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

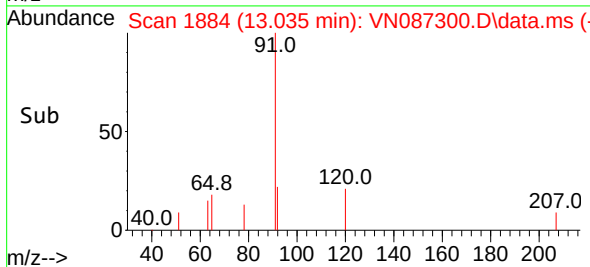
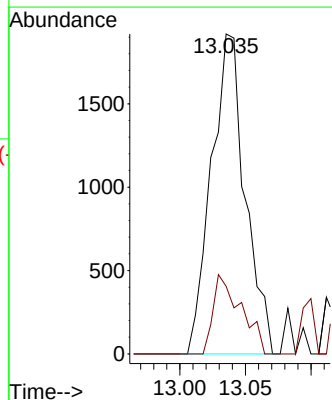
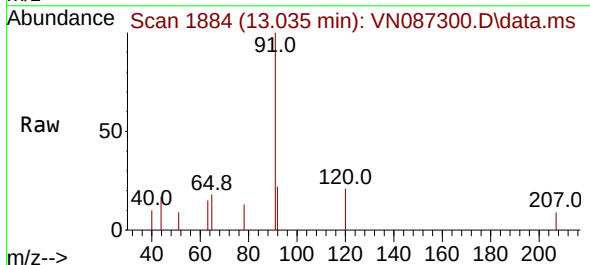
Instrument :
MSVOA_N
ClientSampleId :
GPX5

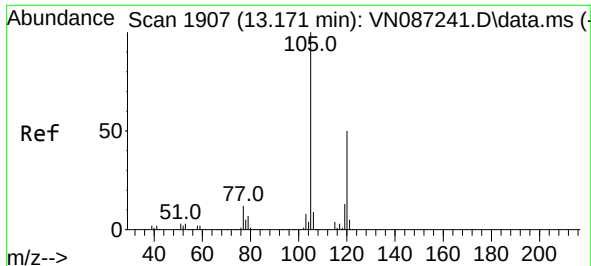
Tgt Ion: 75 Resp: 81374
Ion Ratio Lower Upper
75 100
77 1.0 82.0 245.8#



#78
n-propylbenzene
Concen: 0.258 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 91 Resp: 3442
Ion Ratio Lower Upper
91 100
120 20.5 12.0 36.0

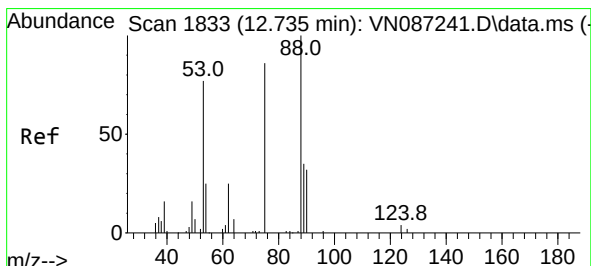
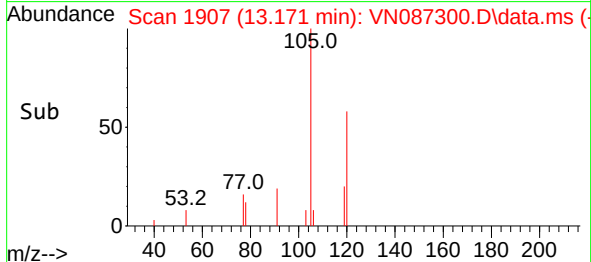
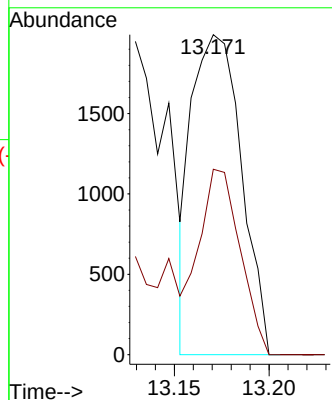
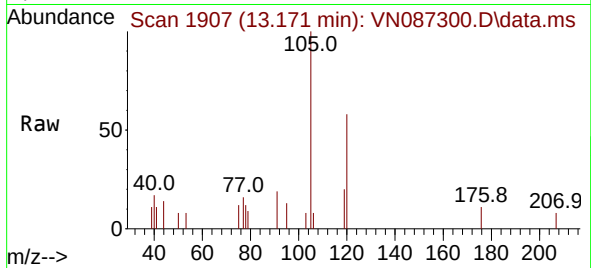




#80
1,3,5-Trimethylbenzene
Concen: 0.393 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

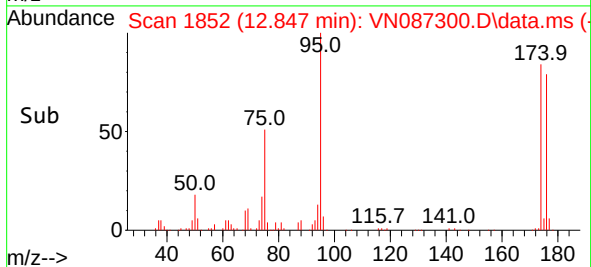
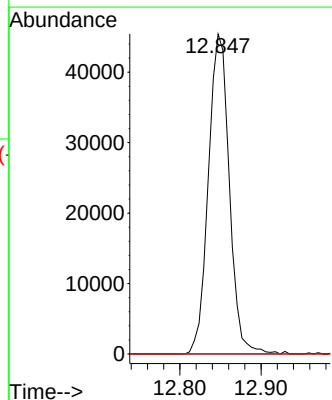
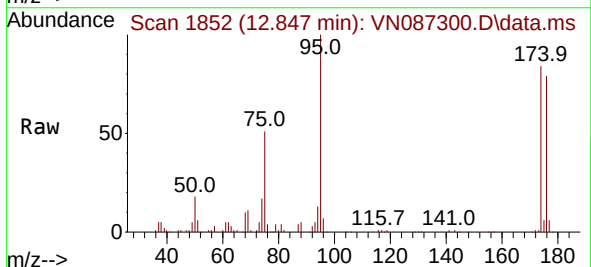
Instrument :
MSVOA_N
ClientSampleId :
GPX5

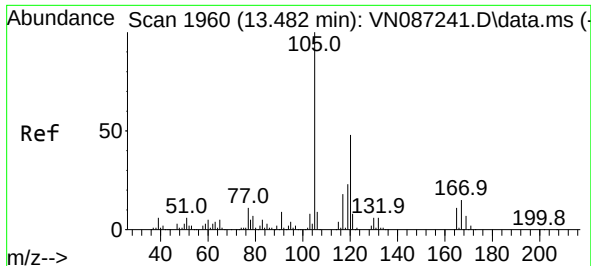
Tgt Ion:105 Resp: 3625
Ion Ratio Lower Upper
105 100
120 48.6 25.3 75.8



#81
trans-1,4-Dichloro-2-butene
Concen: 58.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 75 Resp: 81374
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

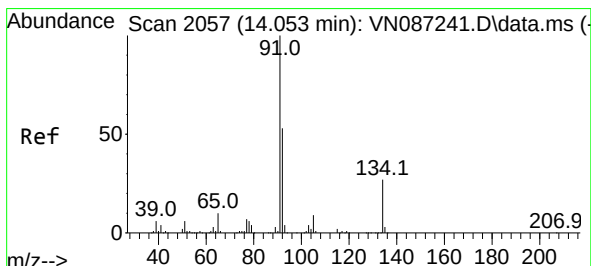
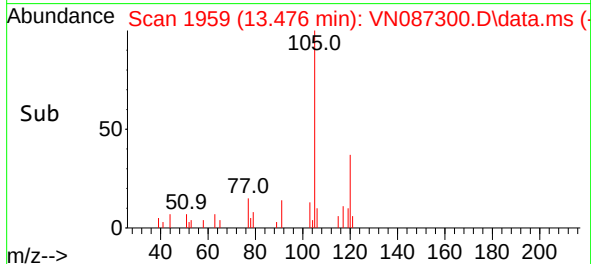
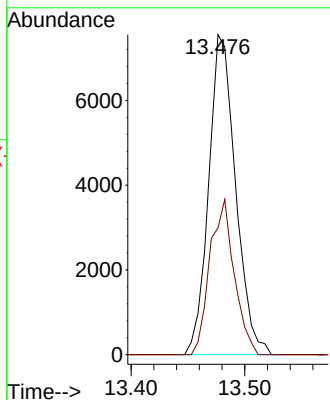
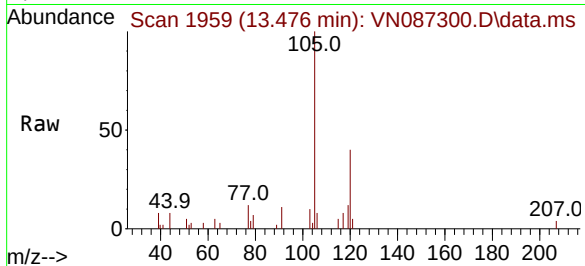




#84
1,2,4-Trimethylbenzene
Concen: 1.347 ug/l
RT: 13.476 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

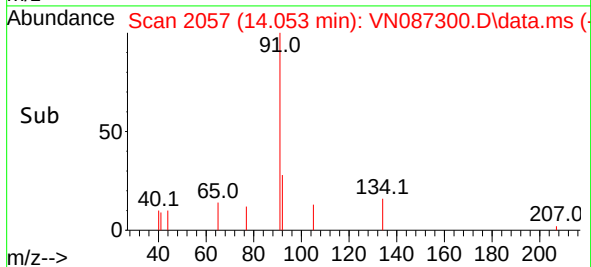
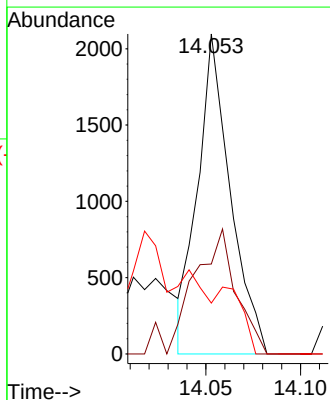
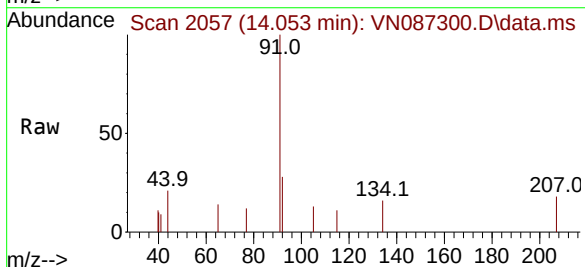
Instrument :
MSVOA_N
ClientSampleId :
GPX5

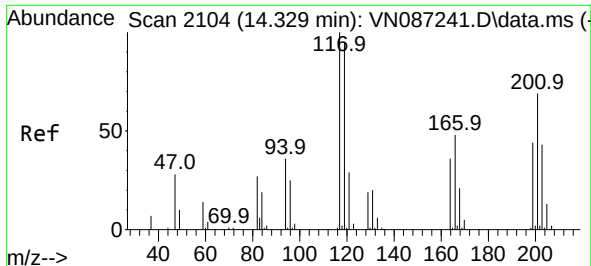
Tgt Ion:105 Resp: 12439
Ion Ratio Lower Upper
105 100
120 43.9 23.3 69.9



#89
n-Butylbenzene
Concen: 0.289 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion: 91 Resp: 2507
Ion Ratio Lower Upper
91 100
92 52.5 26.7 80.0
134 0.0 13.7 41.1#

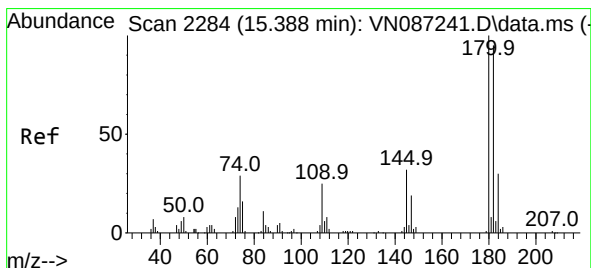
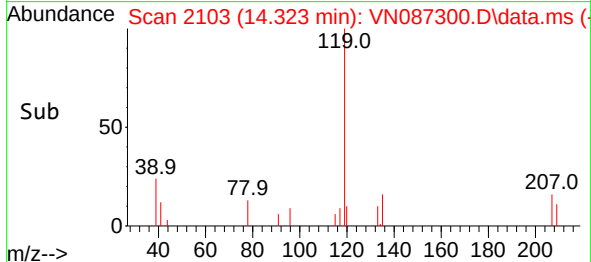
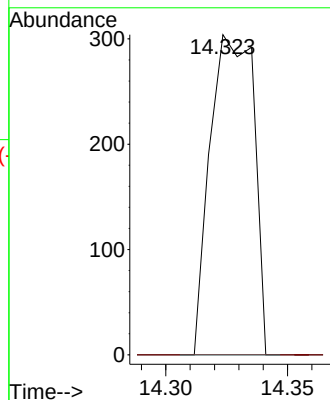
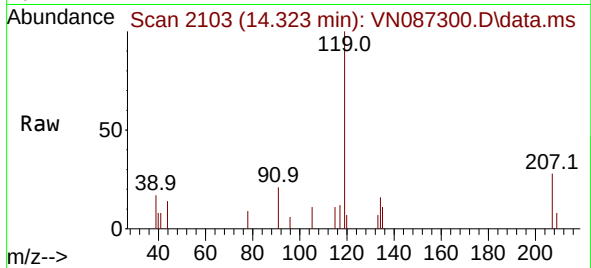




#90
Hexachloroethane
Concen: 0.207 ug/l
RT: 14.323 min Scan# 2103
Delta R.T. -0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

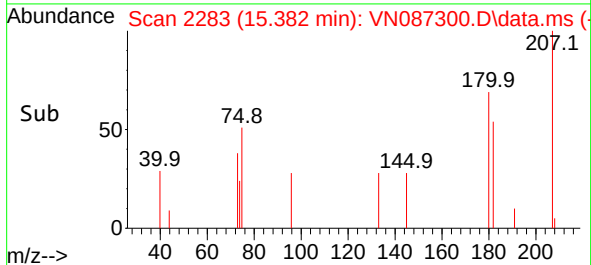
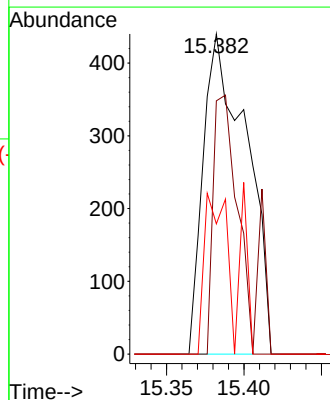
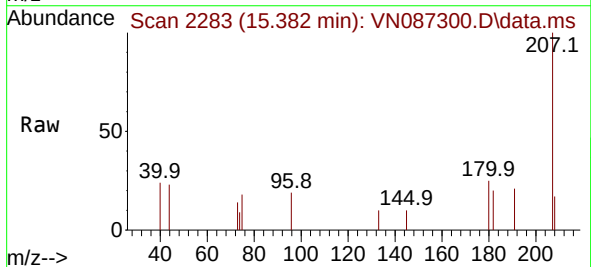
Instrument :
MSVOA_N
ClientSampleId :
GPX5

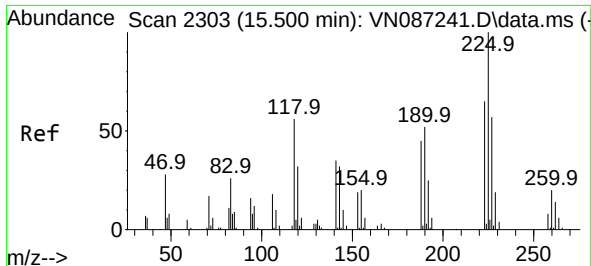
Tgt Ion:117 Resp: 377
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.268 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

Tgt Ion:180 Resp: 850
Ion Ratio Lower Upper
180 100
182 45.1 48.0 144.0#
145 35.3 15.4 46.2

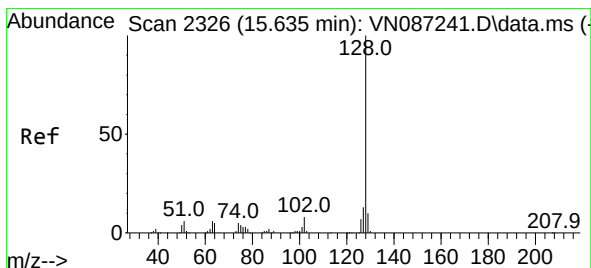
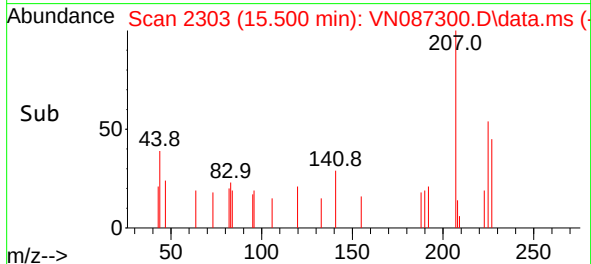
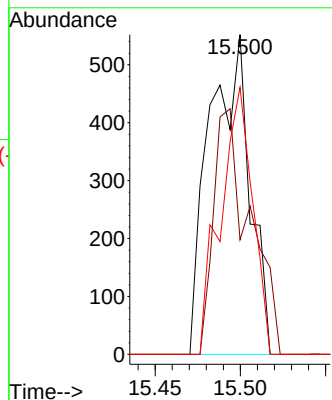
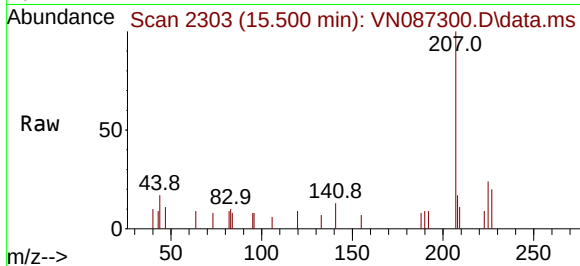




#94
Hexachlorobutadiene
Concen: 0.902 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

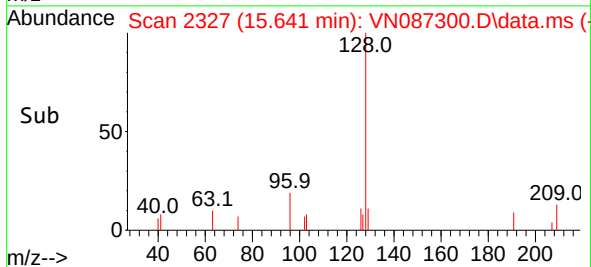
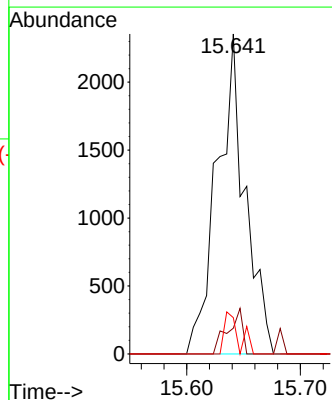
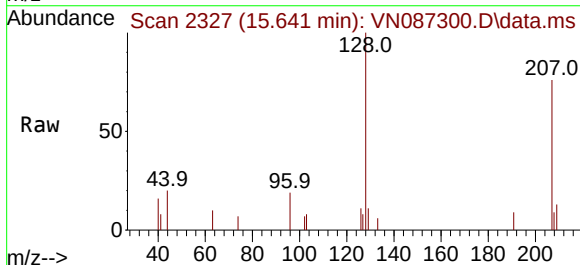
Instrument :
MSVOA_N
ClientSampleId :
GPX5

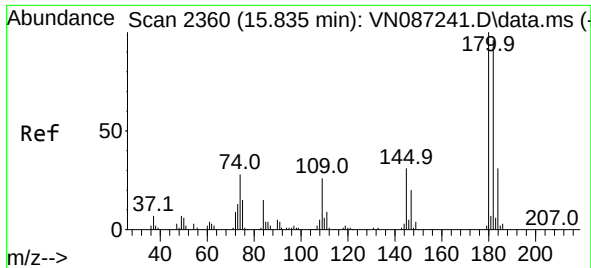
Tgt Ion:	225	Resp:	909
Ion	Ratio	Lower	Upper
225	100		
223	69.1	33.5	100.4
227	66.4	30.9	92.7



#95
Naphthalene
Concen: 0.367 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN087300.D
Acq: 08 Jul 2025 15:36

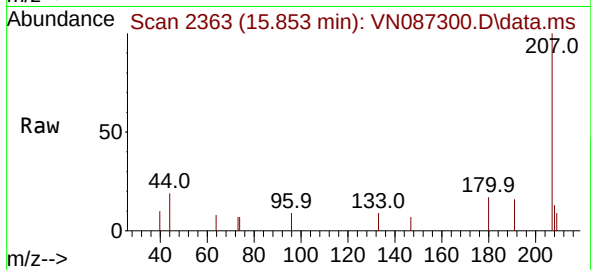
Tgt Ion:	128	Resp:	4024
Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.3	15.5#
129	6.8	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.205 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN087300.D
 Acq: 08 Jul 2025 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 GPX5



Tgt Ion:180 Resp: 632
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.7 143.1#
 145 0.0 15.7 47.1#

