

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085406.D
 Acq On : 09 Jan 2025 14:04
 Operator : JC\MD
 Sample : Q1032-01 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 10 00:19:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

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

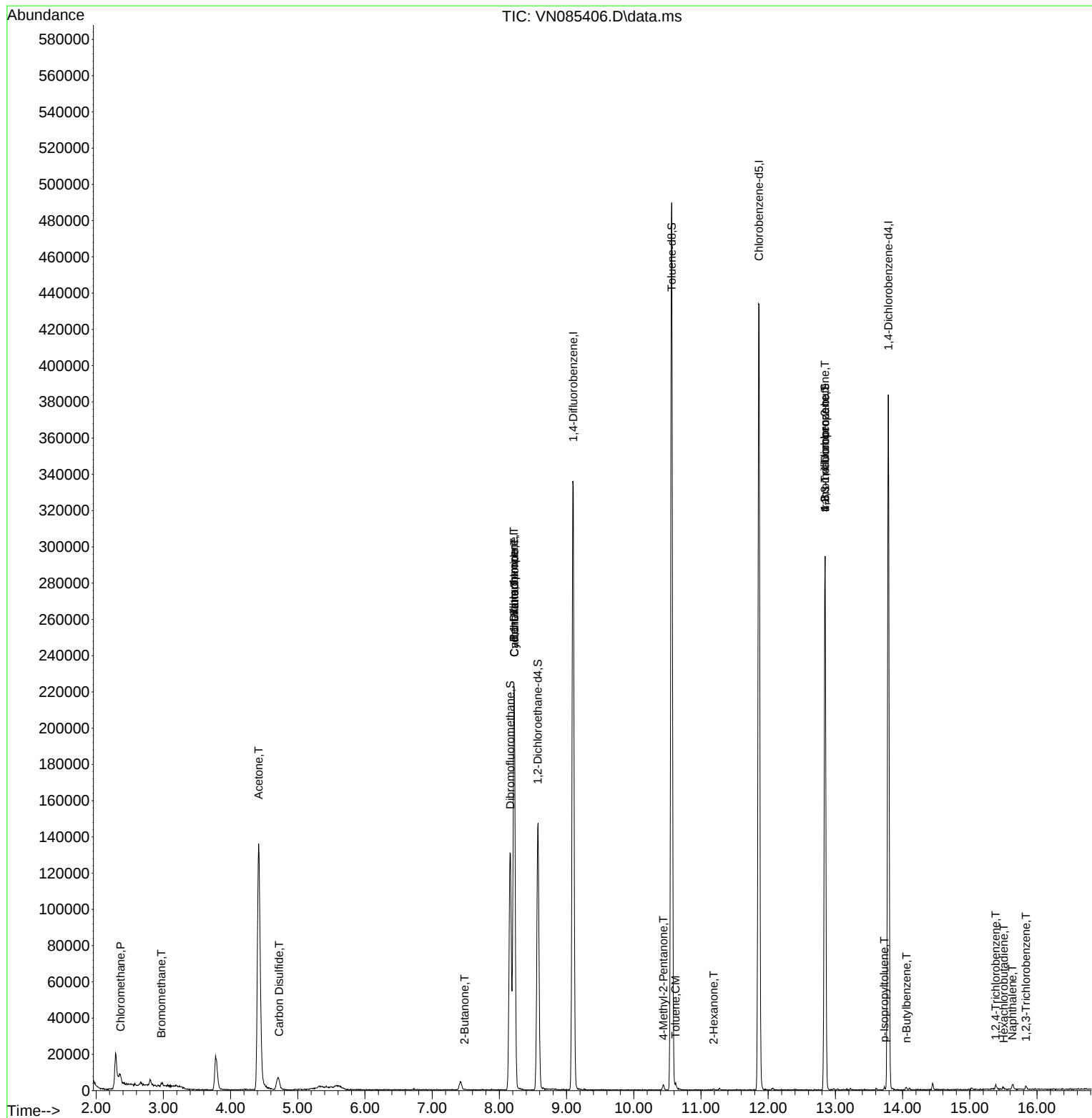
Internal Standards						
1) Pentafluorobenzene	8.218	168	154477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242401	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122306	55.511	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.020%
35) Dibromofluoromethane	8.165	113	94905	53.671	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.340%
50) Toluene-d8	10.565	98	333203	51.350	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.700%
62) 4-Bromofluorobenzene	12.847	95	99034	45.955	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.920%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	971	0.414	ug/l #	43
5) Bromomethane	2.971	94	815	0.502	ug/l	87
16) Acetone	4.418	43	255738	352.986	ug/l	100
17) Carbon Disulfide	4.724	76	2159	0.413	ug/l #	75
25) 2-Butanone	7.482	43	397	0.353	ug/l #	51
31) Cyclohexane	8.224	56	4404	1.352	ug/l #	28
36) 1,1-Dichloropropene	8.218	75	14615	5.645	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17630	6.247	ug/l #	15
51) 4-Methyl-2-Pentanone	10.441	43	2210	0.928	ug/l	91
52) Toluene	10.623	92	1041	0.223	ug/l	96
59) 2-Hexanone	11.188	43	603	0.365	ug/l #	25
76) 1,2,3-Trichloropropane	12.847	75	55448	31.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55448	74.737	ug/l #	10
86) p-Isopropyltoluene	13.729	119	475	0.277	ug/l #	51
89) n-Butylbenzene	14.059	91	1232	0.253	ug/l #	82
93) 1,2,4-Trichlorobenzene	15.388	180	918	0.628	ug/l	86
94) Hexachlorobutadiene	15.506	225	453	0.624	ug/l #	67
95) Naphthalene	15.635	128	3505	0.707	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1097	0.751	ug/l	74

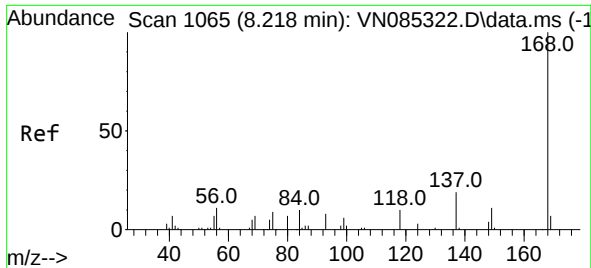
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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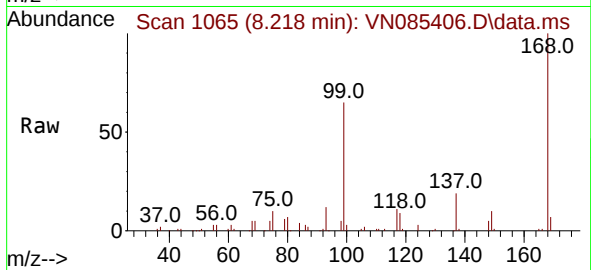
Quant Time: Jan 10 00:19:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



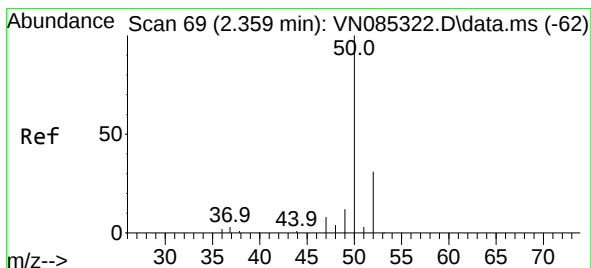
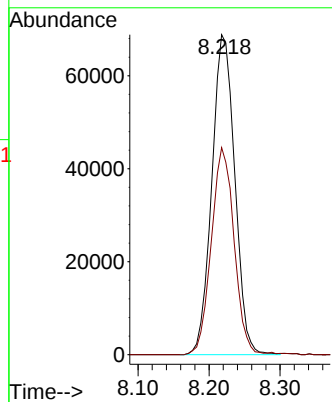
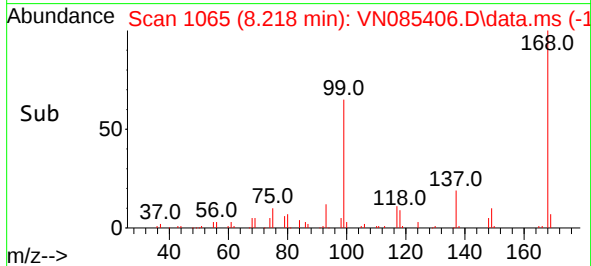


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :

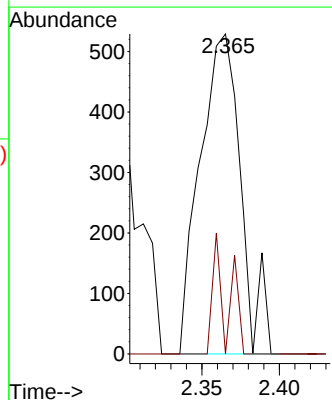
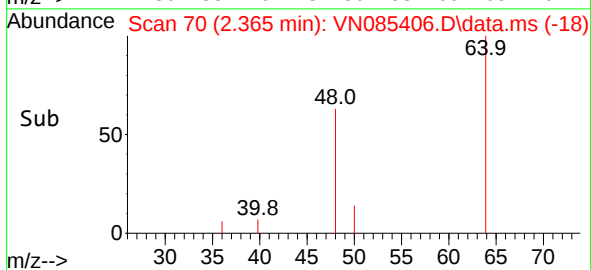
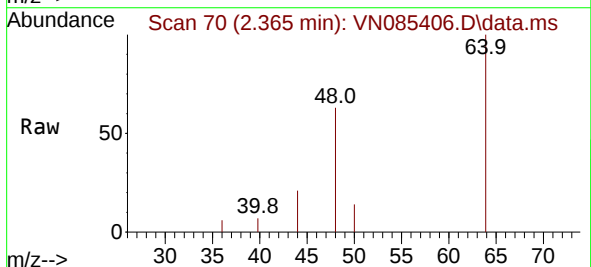


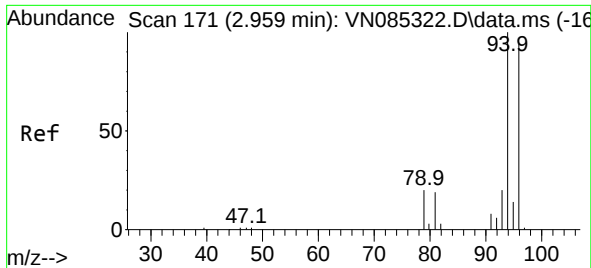
Tgt Ion:168 Resp: 154477
Ion Ratio Lower Upper
168 100
99 64.7 51.0 76.4



#3
Chloromethane
Concen: 0.414 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion: 50 Resp: 971
Ion Ratio Lower Upper
50 100
52 0.0 25.1 37.7#

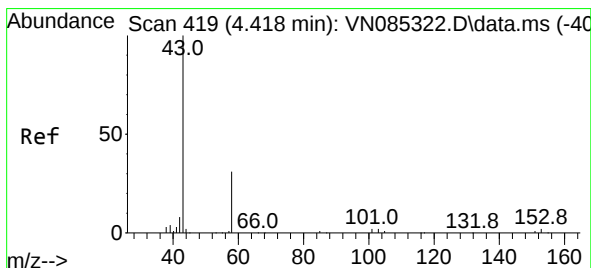
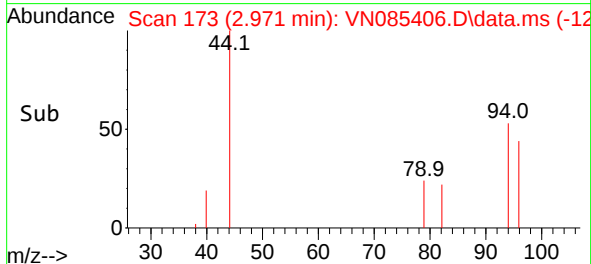
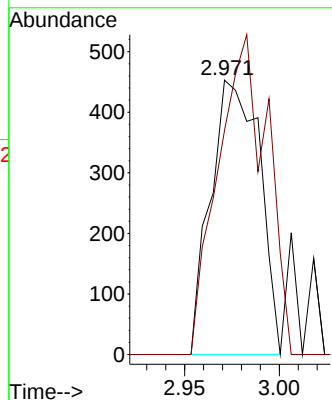
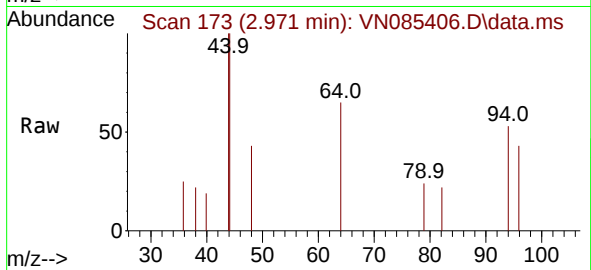




#5
Bromomethane
Concen: 0.502 ug/l
RT: 2.971 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

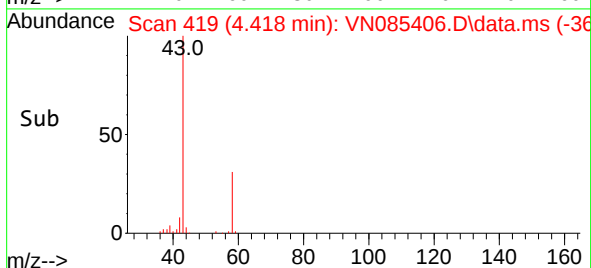
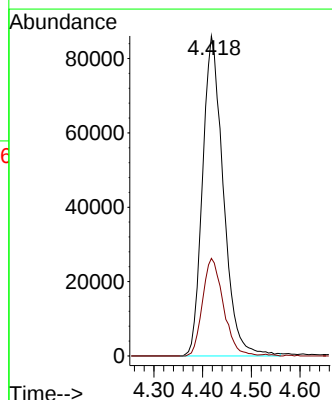
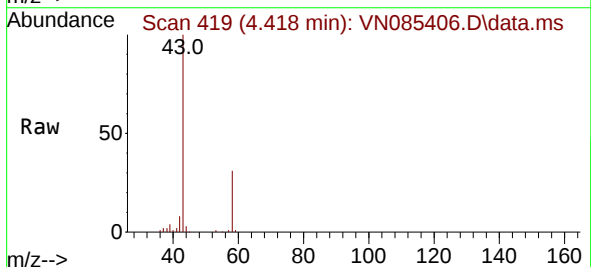
Instrument :
MSVOA_N
ClientSampleId :

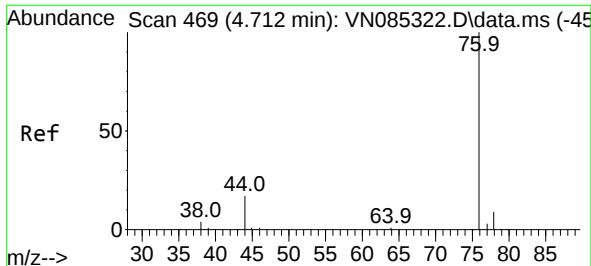
Tgt Ion: 94 Resp: 815
Ion Ratio Lower Upper
94 100
96 81.7 75.2 112.8



#16
Acetone
Concen: 352.986 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

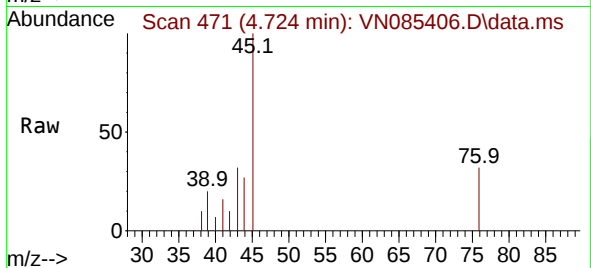
Tgt Ion: 43 Resp: 255738
Ion Ratio Lower Upper
43 100
58 30.5 24.5 36.7



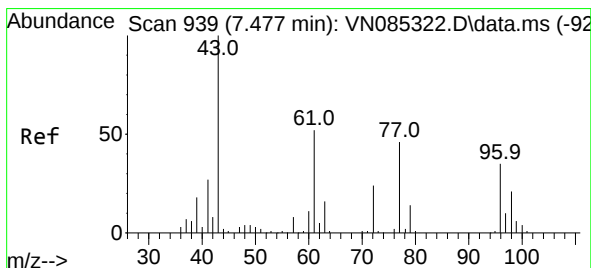
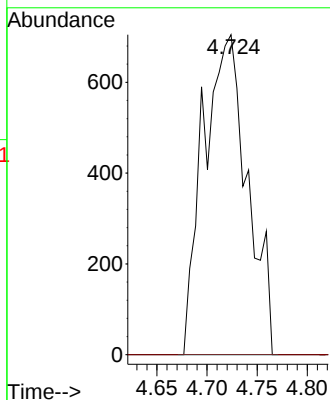
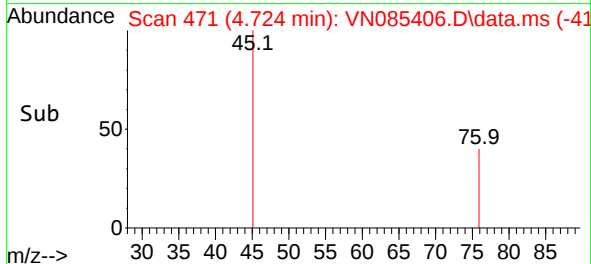


#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :

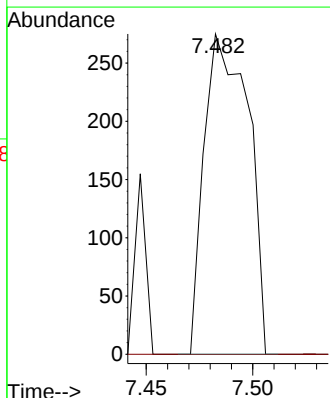
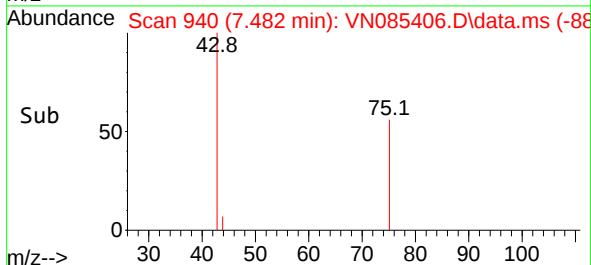
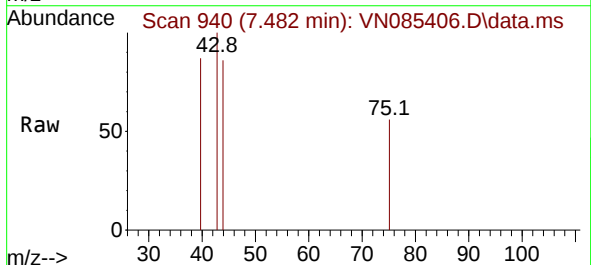


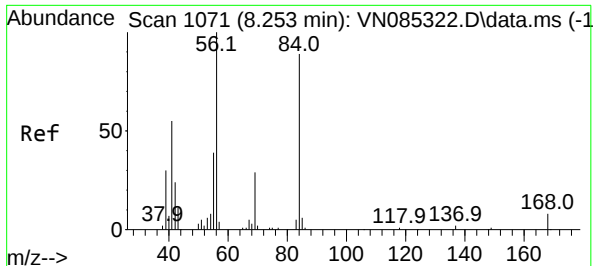
Tgt Ion: 76 Resp: 2159
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#25
2-Butanone
Concen: 0.353 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

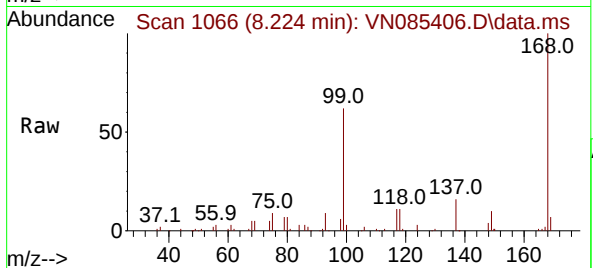
Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
72 0.0 19.6 29.4#



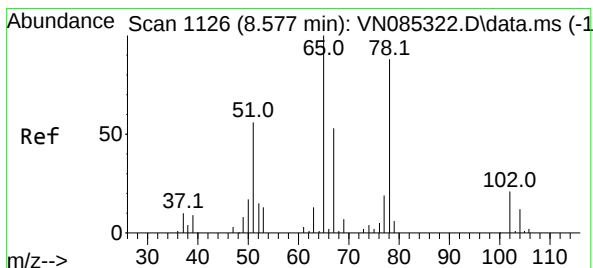
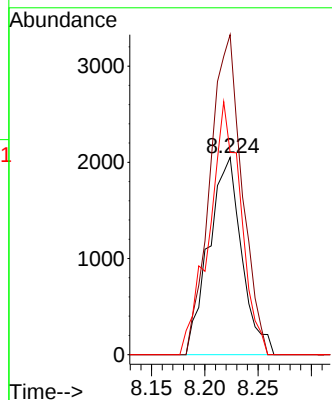
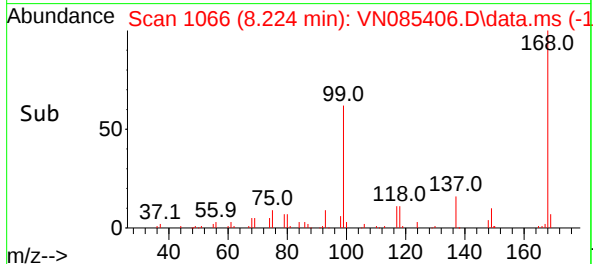


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

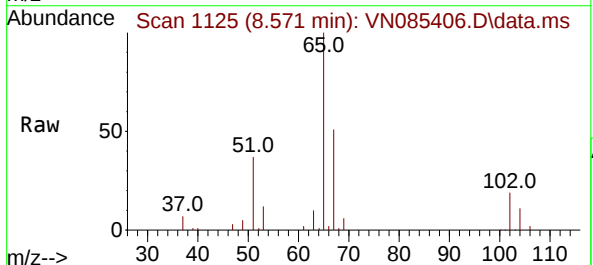
Instrument :
MSVOA_N
ClientSampleId :



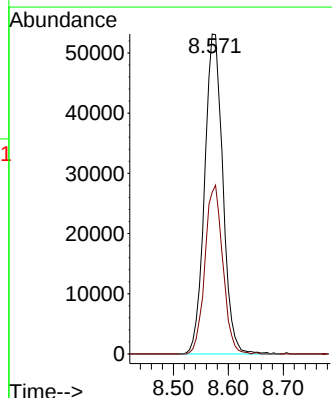
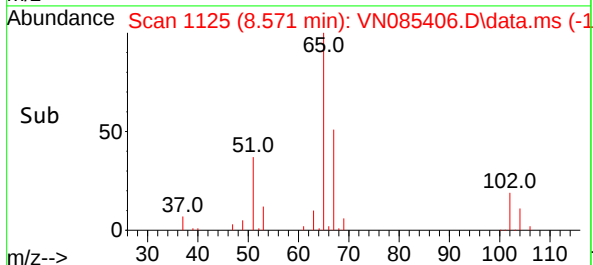
Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 162.2 23.4 35.0#
84 102.5 71.0 106.6

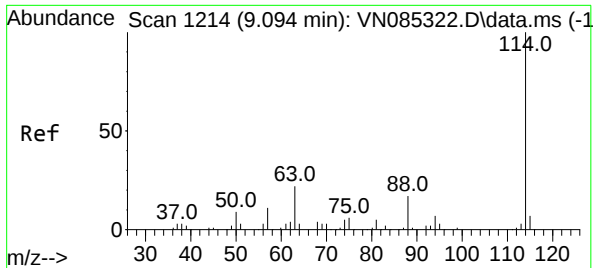


#33
1,2-Dichloroethane-d4
Concen: 55.511 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04



Tgt Ion: 65 Resp: 122306
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0

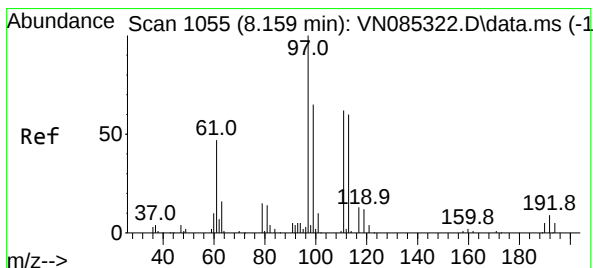
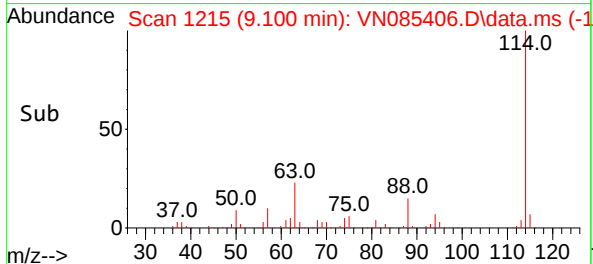
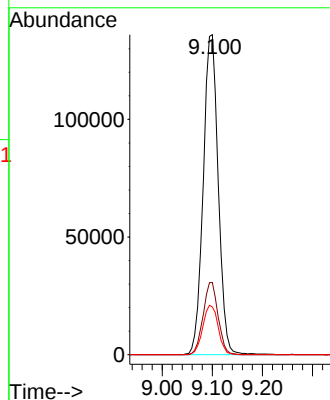
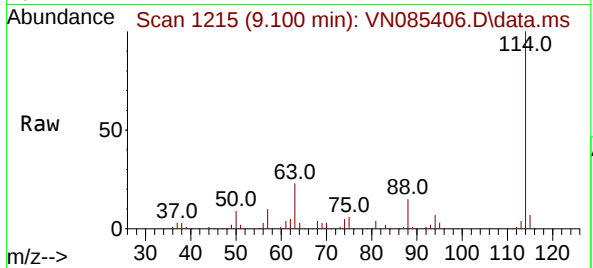




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

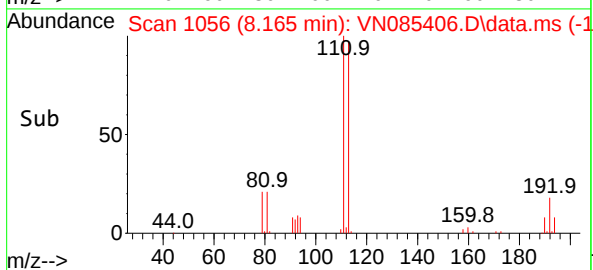
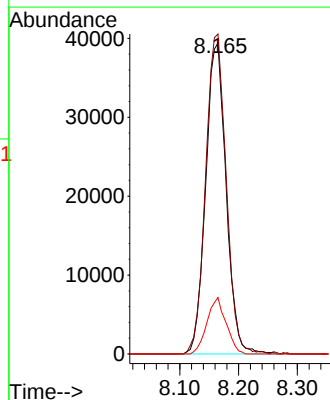
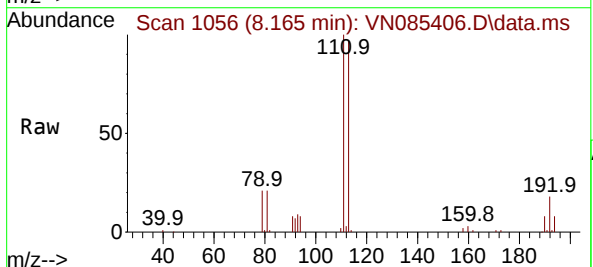
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MSVOA_N
ClientSampleId :

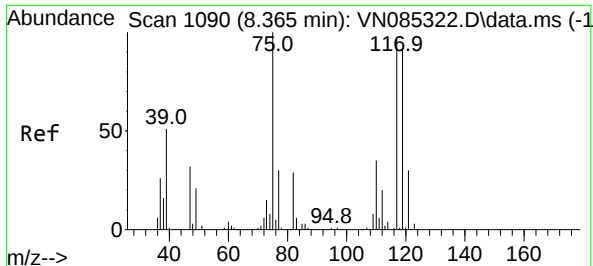
Tgt Ion:114 Resp: 283446
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.4
88 14.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 53.671 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion:113 Resp: 94905
Ion Ratio Lower Upper
113 100
111 103.7 80.5 120.7
192 17.0 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.645 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085406.D

Acq: 09 Jan 2025 14:04

Instrument :

MSVOA_N

ClientSampleId :

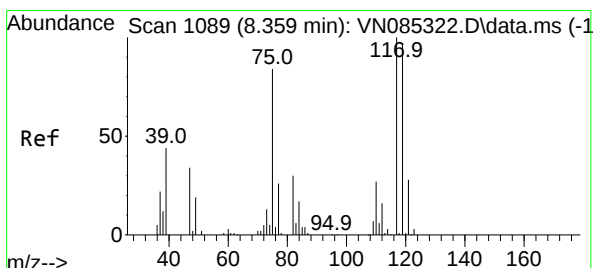
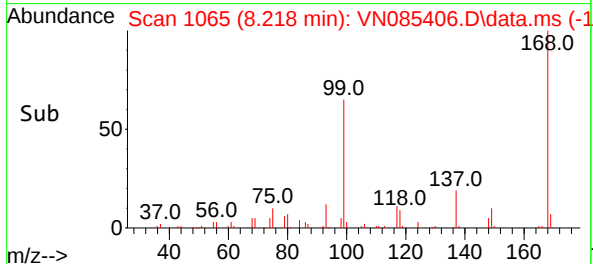
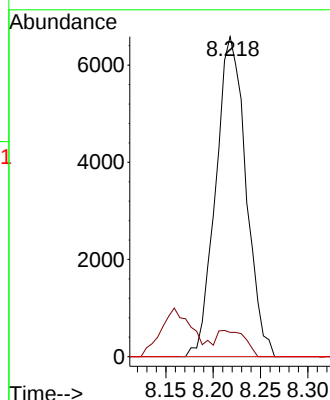
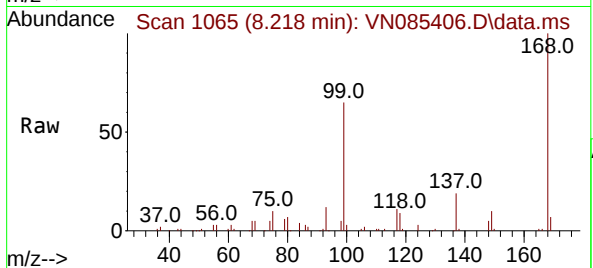
Tgt Ion: 75 Resp: 14615

Ion Ratio Lower Upper

75 100

110 7.4 16.6 49.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.247 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN085406.D

Acq: 09 Jan 2025 14:04

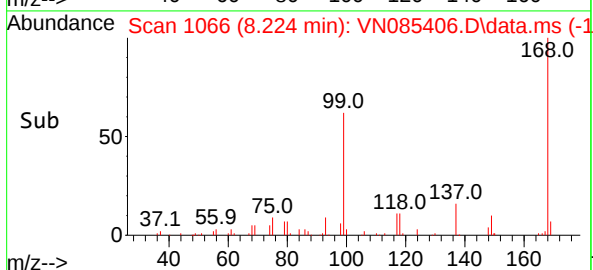
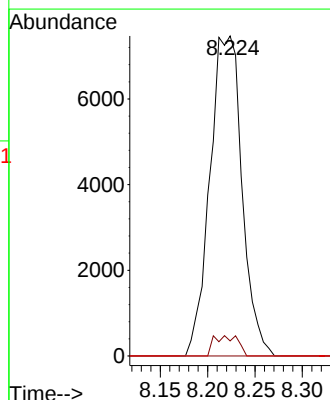
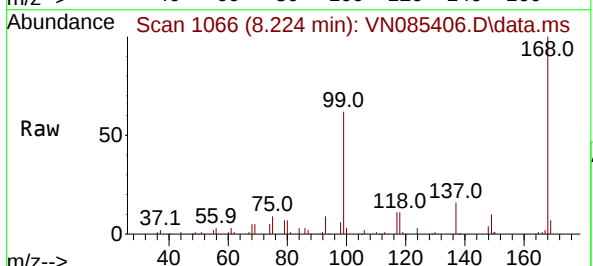
Tgt Ion: 117 Resp: 17630

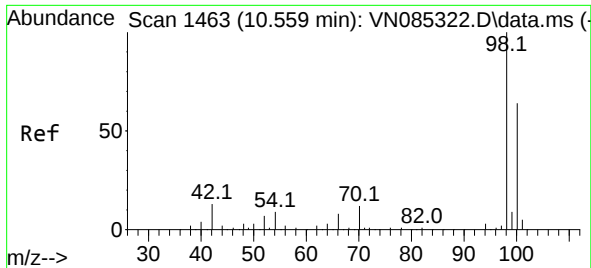
Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

121 0.0 22.5 33.7#

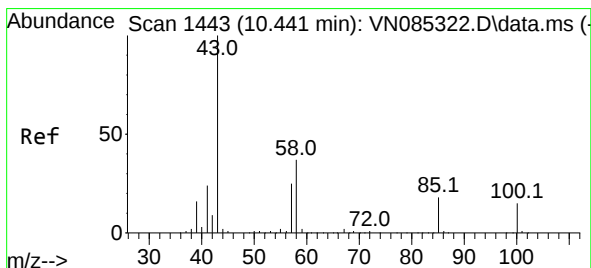
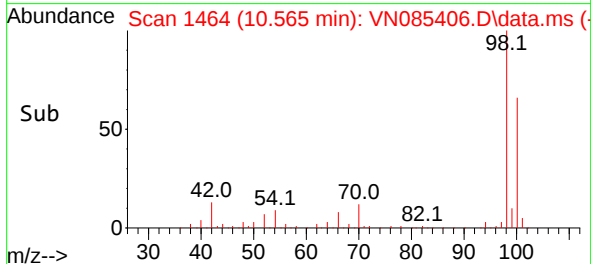
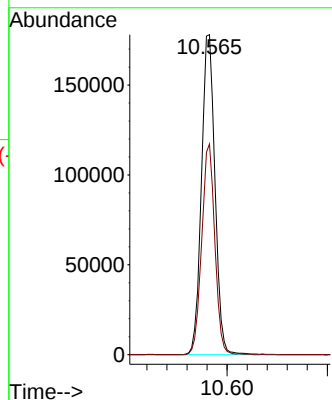
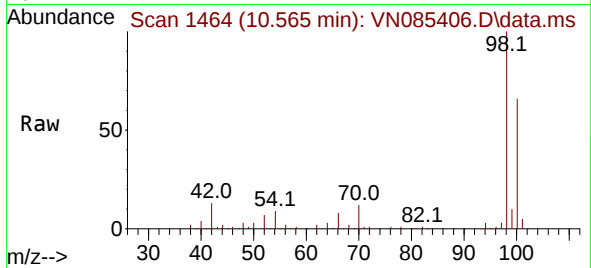




#50
Toluene-d8
Concen: 51.350 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

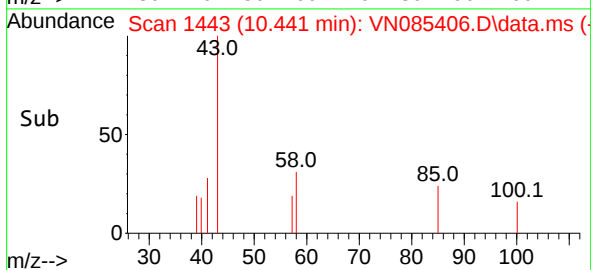
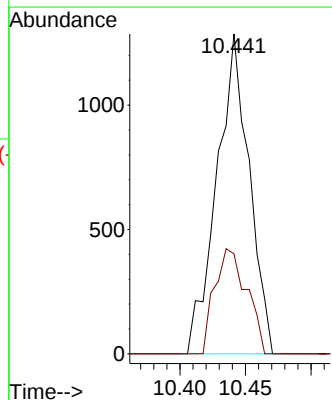
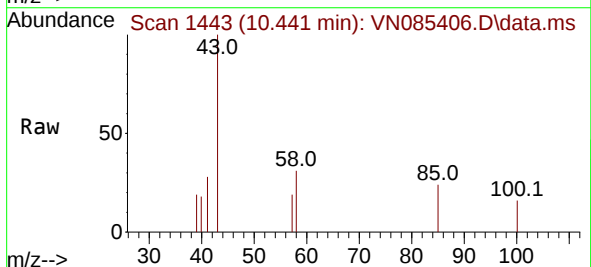
Instrument :
MSVOA_N
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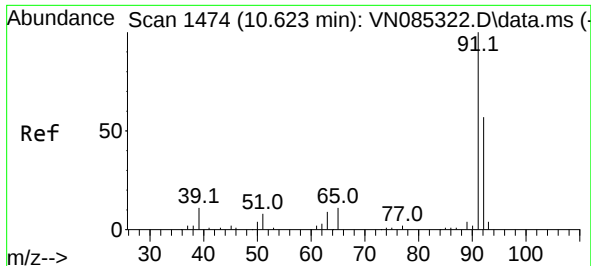
Tgt Ion: 98 Resp: 333203
Ion Ratio Lower Upper
98 100
100 63.9 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.928 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
58 32.5 30.3 45.5

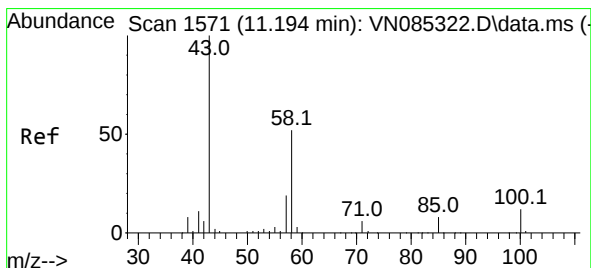
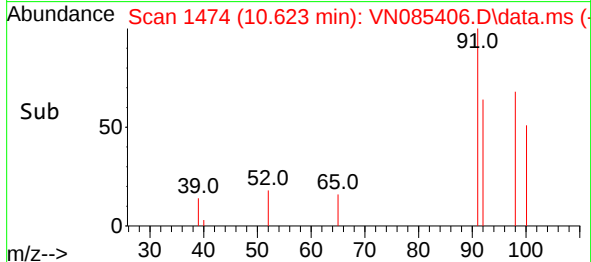
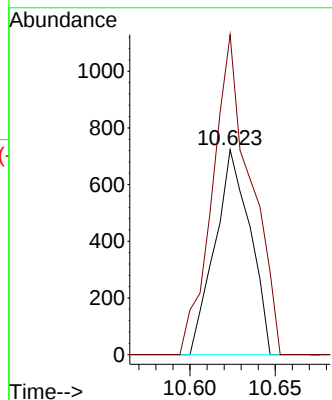
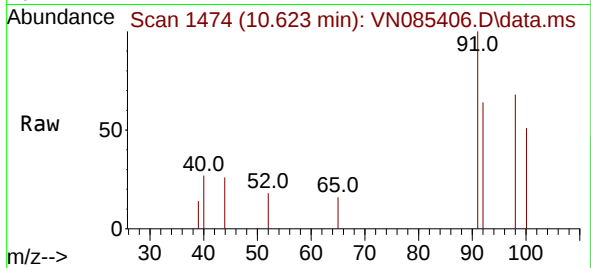




#52
Toluene
Concen: 0.223 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

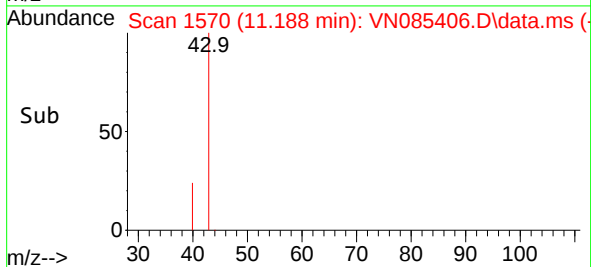
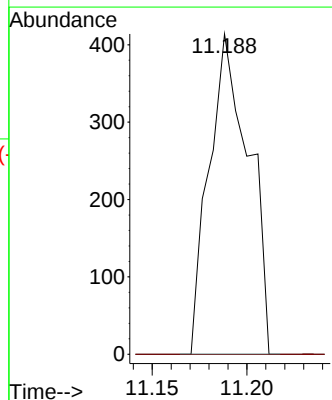
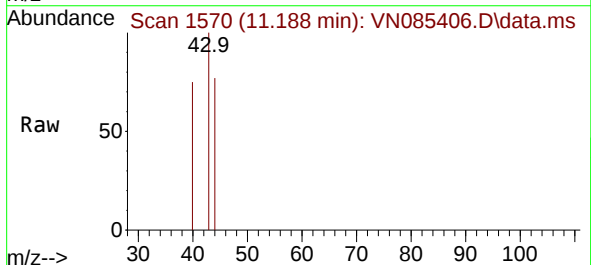
Instrument :
MSVOA_N
ClientSampleId :

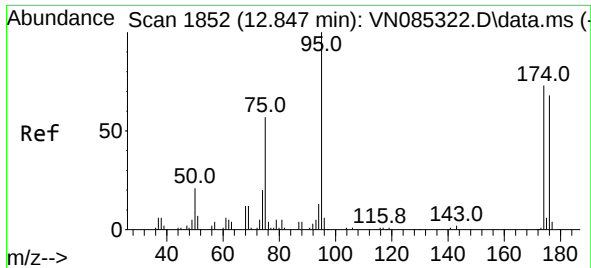
Tgt Ion: 92 Resp: 1041
Ion Ratio Lower Upper
92 100
91 169.8 140.2 210.4



#59
2-Hexanone
Concen: 0.365 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion: 43 Resp: 603
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#

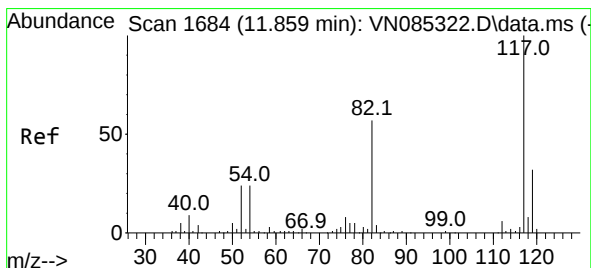
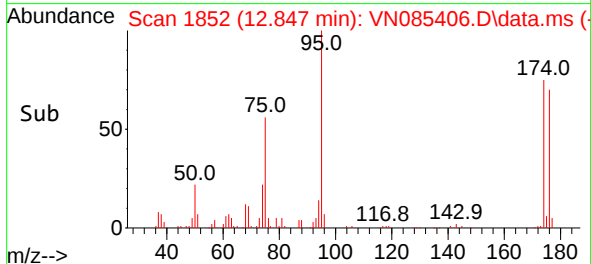
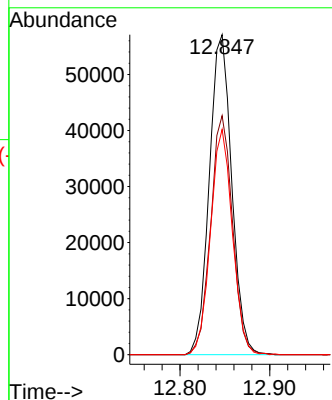
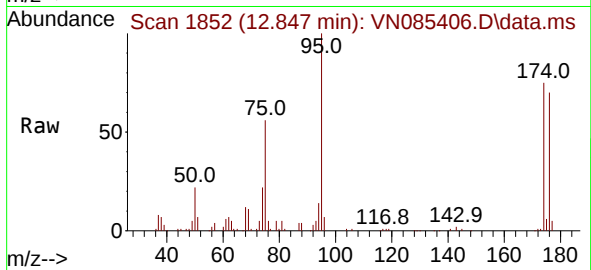




#62
4-Bromofluorobenzene
Concen: 45.955 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

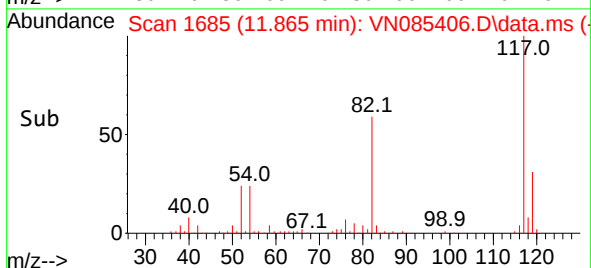
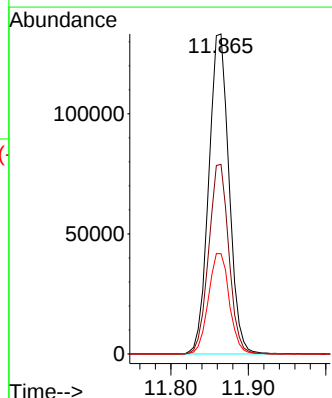
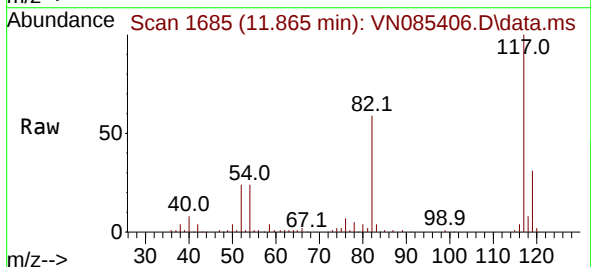
Instrument :
MSVOA_N
ClientSampleId :

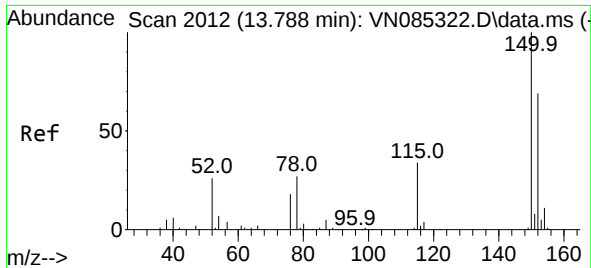
Tgt Ion: 95 Resp: 99034
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.2
176 68.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion: 117 Resp: 242401
Ion Ratio Lower Upper
117 100
82 59.3 45.7 68.5
119 31.3 25.8 38.8

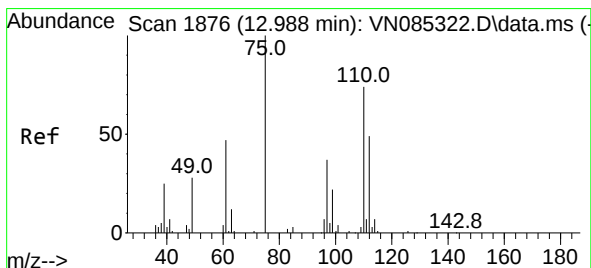
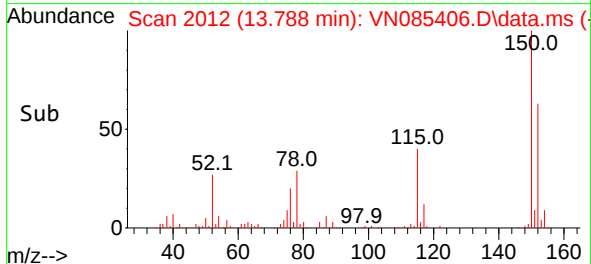
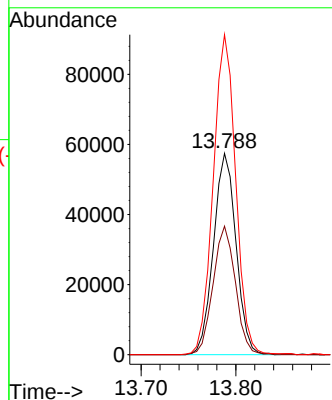
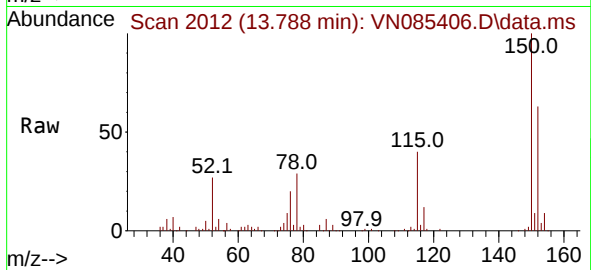




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN085406.D
 Acq: 09 Jan 2025 14:04

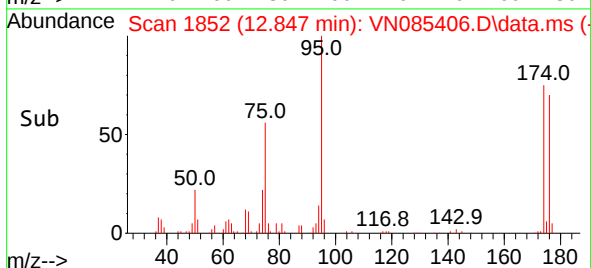
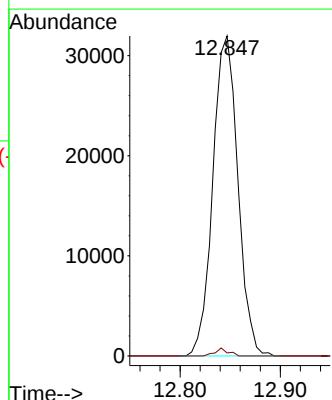
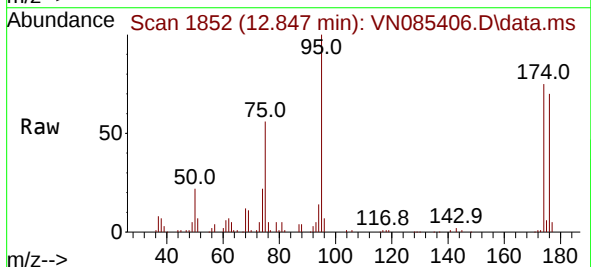
Instrument :
 MSVOA_N
 ClientSampleId :

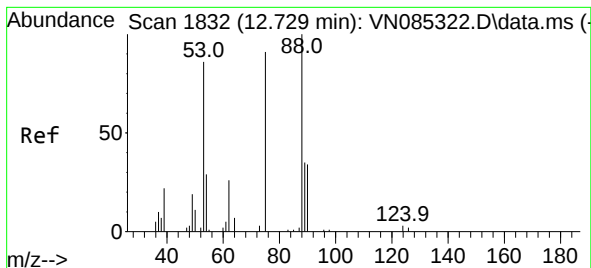
Tgt Ion:152 Resp: 95147
 Ion Ratio Lower Upper
 152 100
 115 63.1 30.4 91.3
 150 158.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 31.207 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085406.D
 Acq: 09 Jan 2025 14:04

Tgt Ion: 75 Resp: 55448
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.1 294.3#

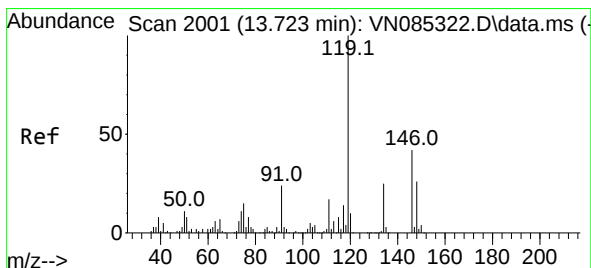
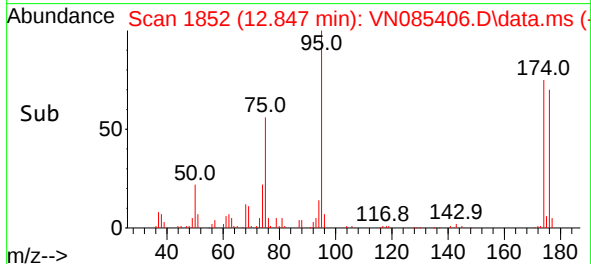
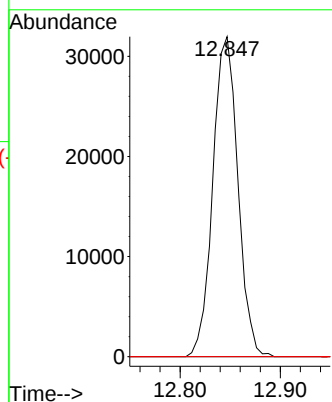
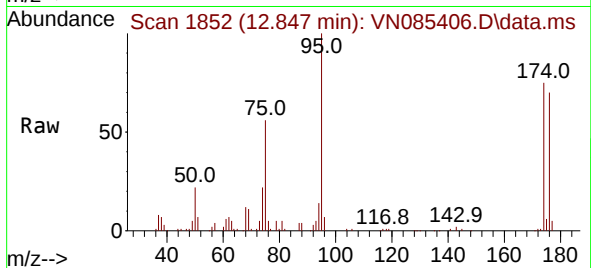




#81
trans-1,4-Dichloro-2-butene
Concen: 74.737 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

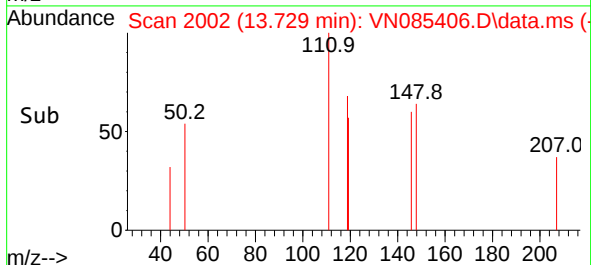
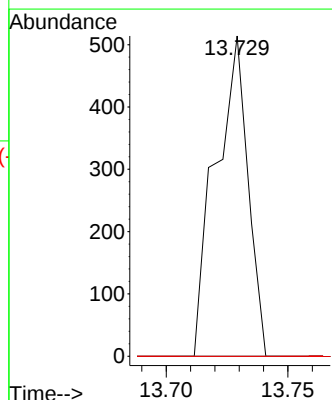
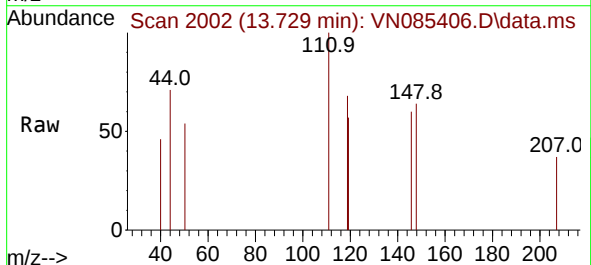
Instrument :
MSVOA_N
ClientSampleId :

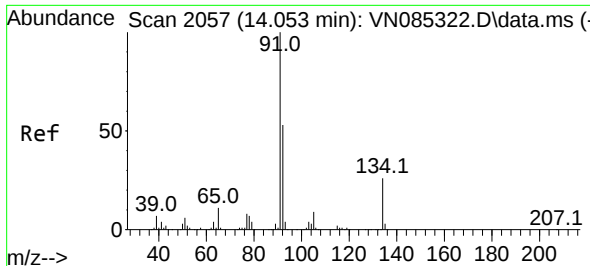
Tgt Ion: 75 Resp: 55448
Ion Ratio Lower Upper
75 100
53 0.0 80.0 120.0#
89 0.0 35.8 53.8#



#86
p-Isopropyltoluene
Concen: 0.277 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Tgt Ion: 119 Resp: 475
Ion Ratio Lower Upper
119 100
134 0.0 12.5 37.5#
91 0.0 12.2 36.4#

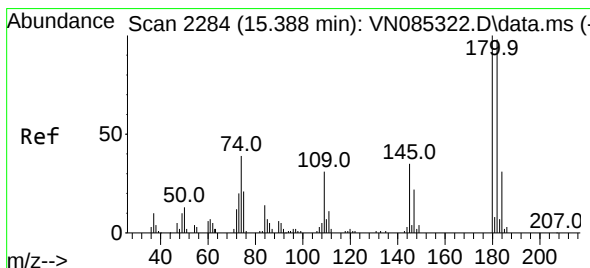
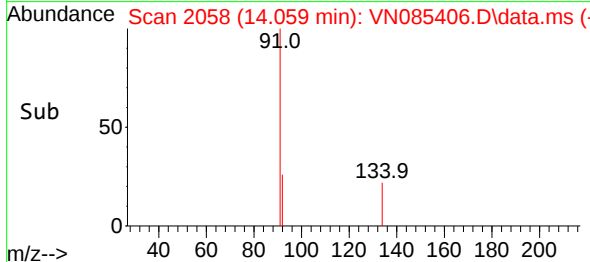
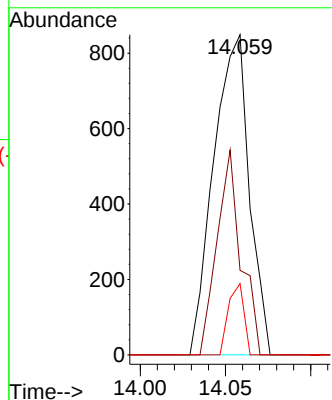
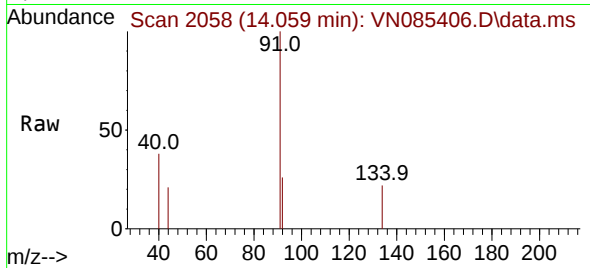




#89
n-Butylbenzene
Concen: 0.253 ug/l
RT: 14.059 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

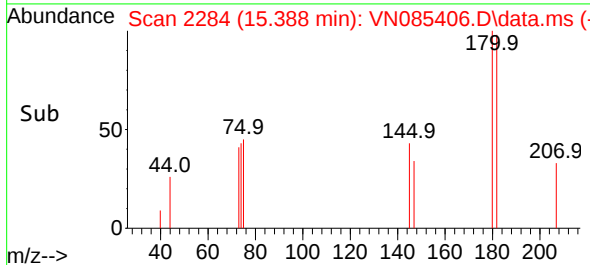
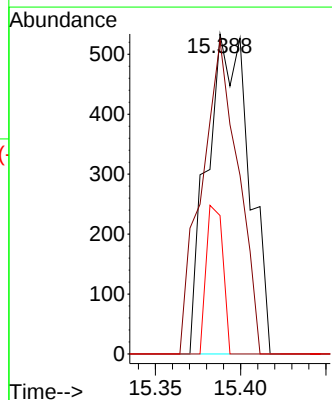
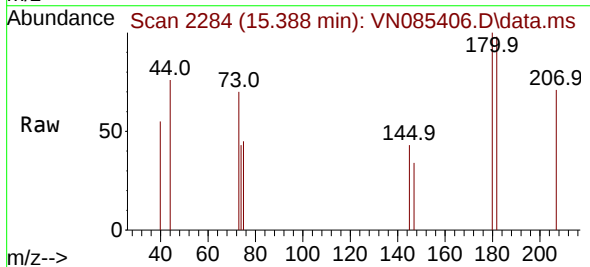
Instrument :
MSVOA_N
ClientSampleId :

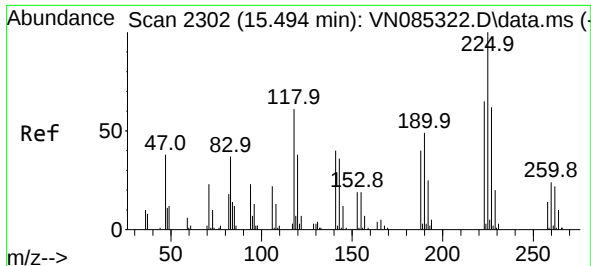
Tgt Ion: 91 Resp: 1232
Ion Ratio Lower Upper
91 100
92 43.2 26.0 78.0
134 9.7 12.1 36.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.628 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

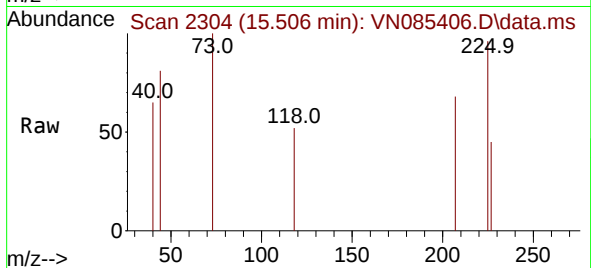
Tgt Ion:180 Resp: 918
Ion Ratio Lower Upper
180 100
182 85.4 47.2 141.6
145 18.4 16.6 49.8



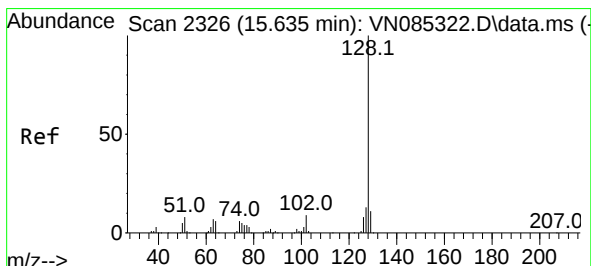
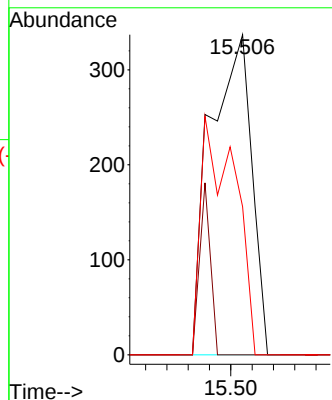
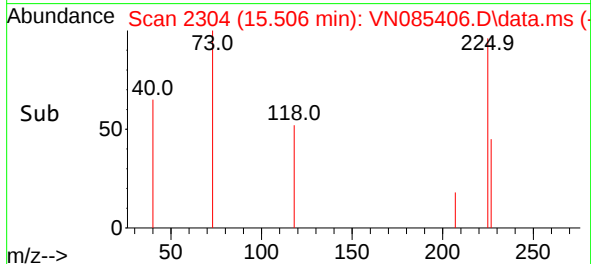


#94
Hexachlorobutadiene
Concen: 0.624 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

Instrument :
MSVOA_N
ClientSampleId :

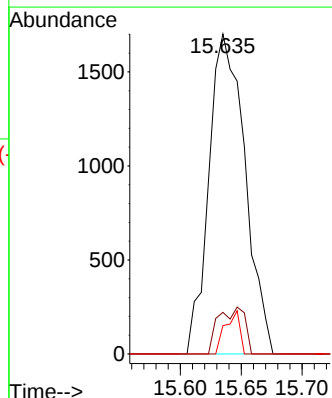
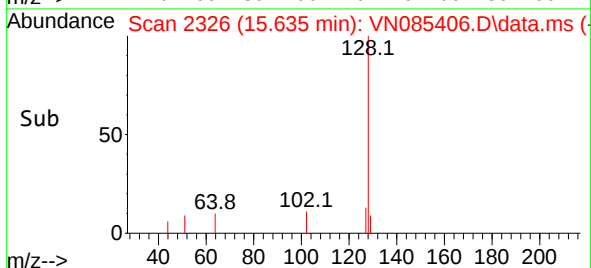
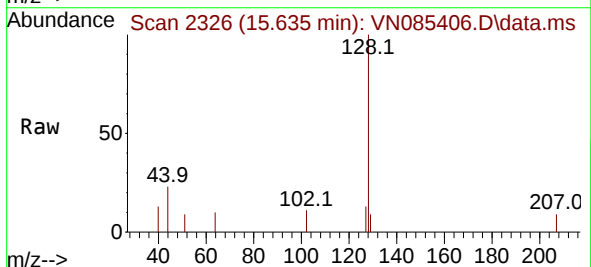


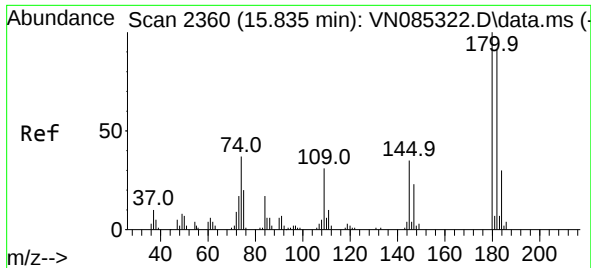
Tgt Ion:225 Resp: 453
Ion Ratio Lower Upper
225 100
223 14.1 31.6 94.7#
227 61.8 30.3 91.0



#95
Naphthalene
Concen: 0.707 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085406.D
Acq: 09 Jan 2025 14:04

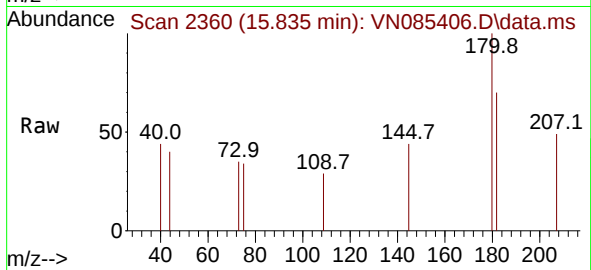
Tgt Ion:128 Resp: 3505
Ion Ratio Lower Upper
128 100
127 10.7 10.6 16.0
129 5.4 8.5 12.7#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.751 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN085406.D
 Acq: 09 Jan 2025 14:04

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1097

Ion	Ratio	Lower	Upper
180	100		
182	67.9	46.8	140.4
145	20.8	17.2	51.6

