

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085402.D
 Acq On : 09 Jan 2025 12:19
 Operator : JC\MD
 Sample : VN0109MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 10 00:16:12 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)

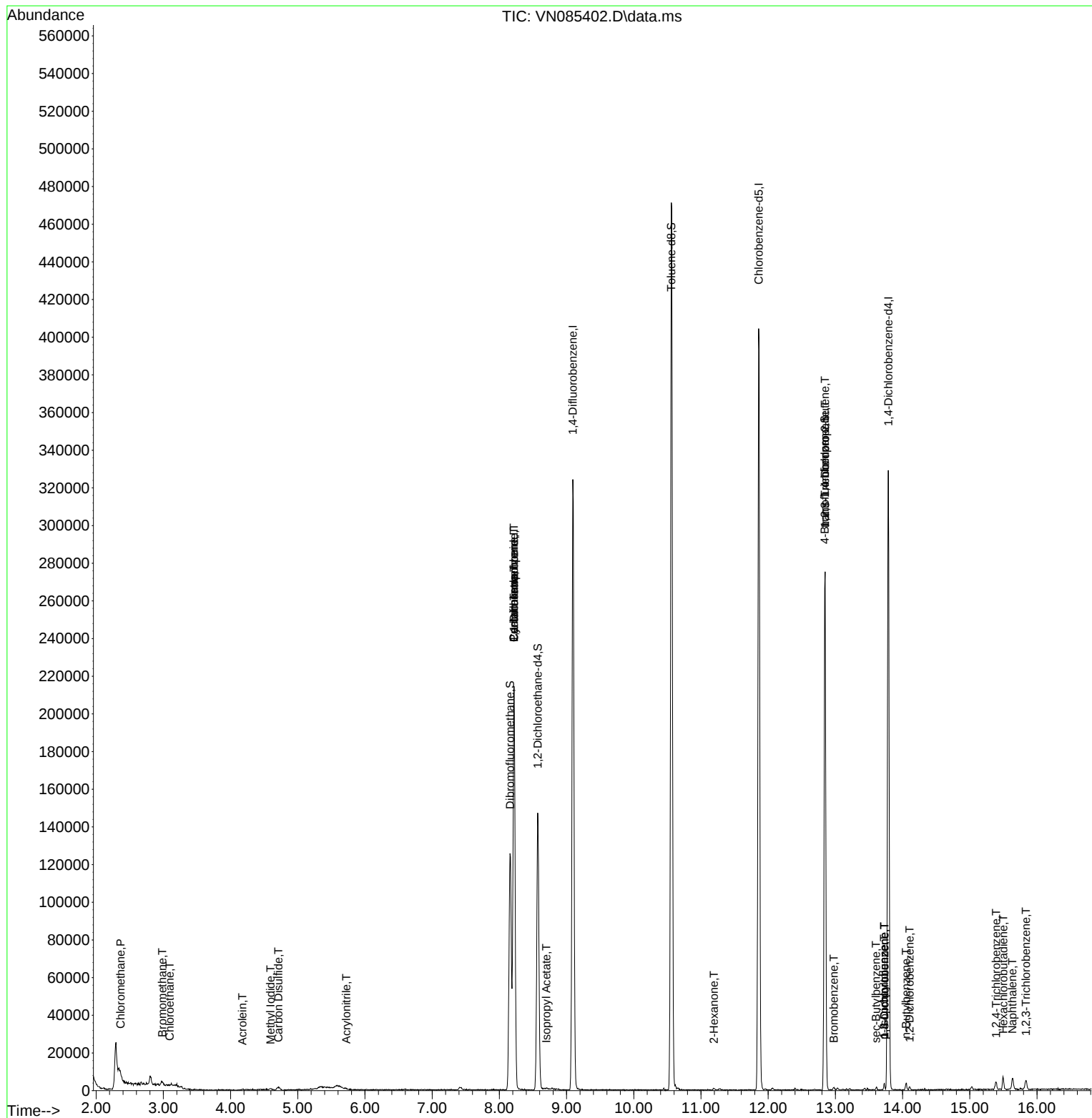
Internal Standards						
1) Pentafluorobenzene	8.218	168	144509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	267862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	223637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	119793	58.121	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 116.240%	
35) Dibromofluoromethane	8.159	113	92307	55.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.480%	
50) Toluene-d8	10.559	98	319469	52.098	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.841	95	92109	45.229	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 90.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1267	0.577	ug/l	99
5) Bromomethane	2.983	94	1545	1.017	ug/l #	66
6) Chloroethane	3.095	64	376	0.255	ug/l #	45
10) Methyl Iodide	4.595	142	1304	0.648	ug/l #	88
13) Acrolein	4.177	56	366	0.910	ug/l #	33
15) Acrylonitrile	5.724	53	313	0.385	ug/l #	65
17) Carbon Disulfide	4.712	76	3955	0.810	ug/l #	75
31) Cyclohexane	8.218	56	4262	1.399	ug/l #	41
36) 1,1-Dichloropropene	8.218	75	13435	5.491	ug/l #	52
38) Carbon Tetrachloride	8.218	117	16148	6.055	ug/l #	15
43) Isopropyl Acetate	8.700	43	891	0.223	ug/l #	55
59) 2-Hexanone	11.194	43	909	0.582	ug/l	71
76) 1,2,3-Trichloropropane	12.847	75	50671	31.808	ug/l #	1
77) Bromobenzene	12.976	156	396	0.261	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.847	75	50671	76.175	ug/l #	10
85) sec-Butylbenzene	13.606	105	1348	0.226	ug/l	84
86) p-Isopropyltoluene	13.723	119	1031	0.397	ug/l	84
87) 1,3-Dichlorobenzene	13.729	146	910	0.330	ug/l	83
88) 1,4-Dichlorobenzene	13.729	146	910	0.322	ug/l	84
89) n-Butylbenzene	14.053	91	2731	0.625	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	1064	0.405	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	1981	1.512	ug/l	88
94) Hexachlorobutadiene	15.500	225	1313	2.017	ug/l	91
95) Naphthalene	15.635	128	7119	1.603	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	2348	1.794	ug/l #	81

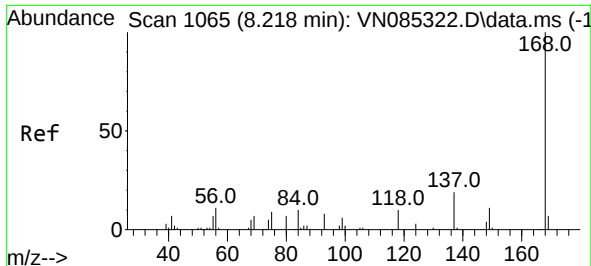
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
Data File : VN085402.D
Acq On : 09 Jan 2025 12:19
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Sample : VN0109MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

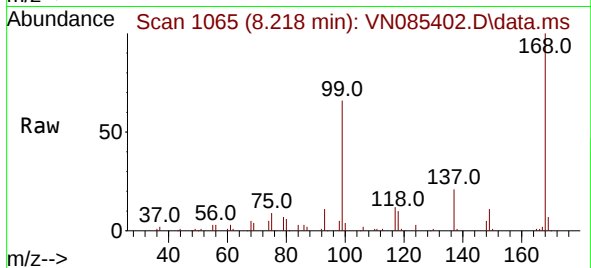
Quant Time: Jan 10 00:16:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



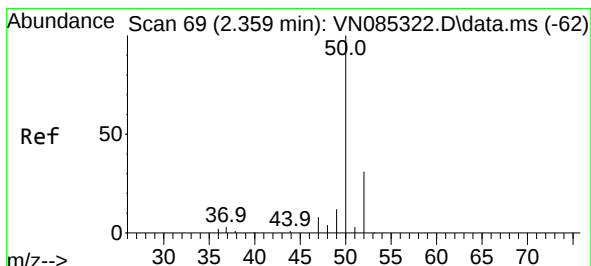
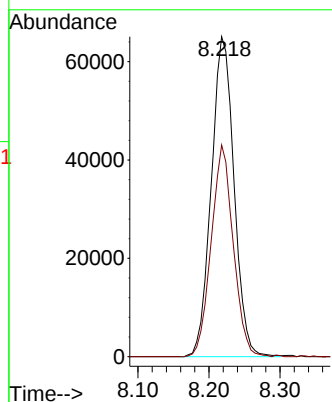
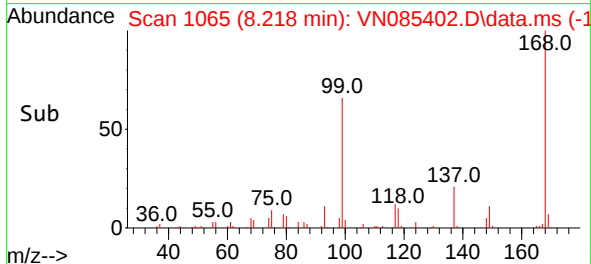


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Instrument :
MSVOA_N
ClientSampleId :

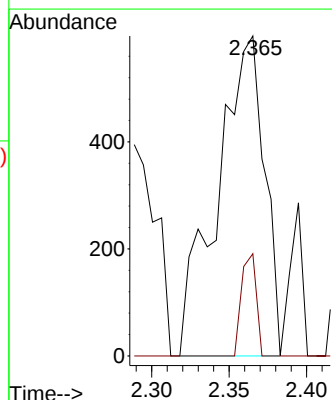
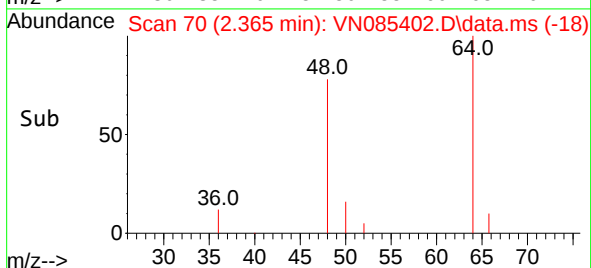
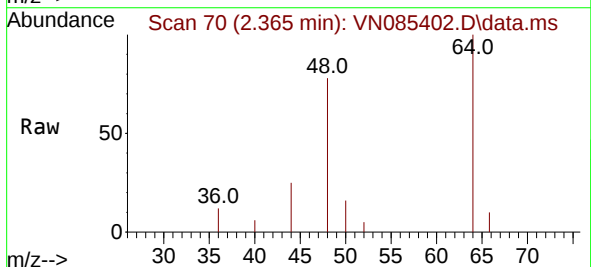


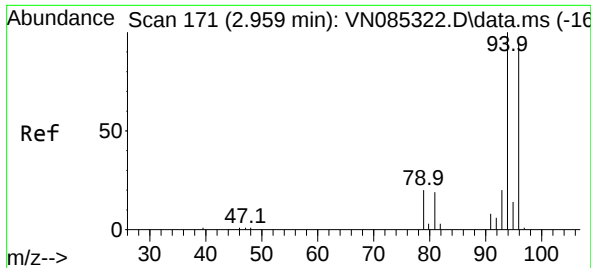
Tgt Ion:168 Resp: 144509
Ion Ratio Lower Upper
168 100
99 66.1 51.0 76.4



#3
Chloromethane
Concen: 0.577 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion: 50 Resp: 1267
Ion Ratio Lower Upper
50 100
52 31.9 25.1 37.7

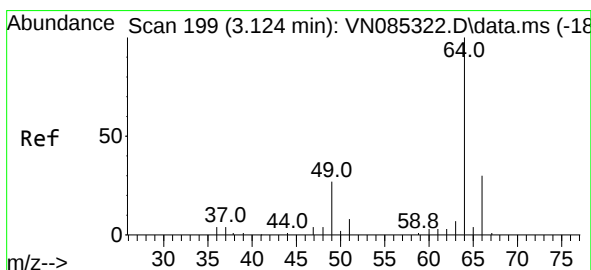
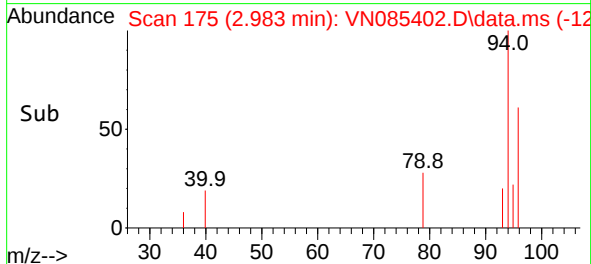
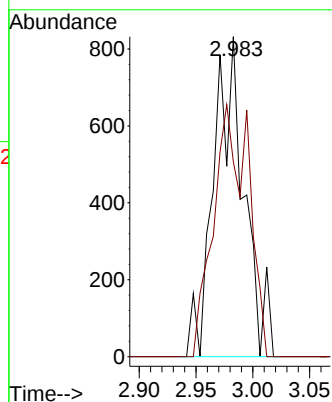
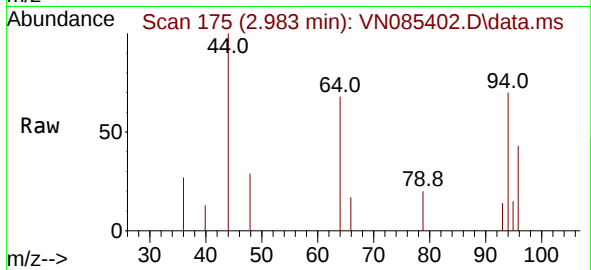




#5
Bromomethane
Concen: 1.017 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

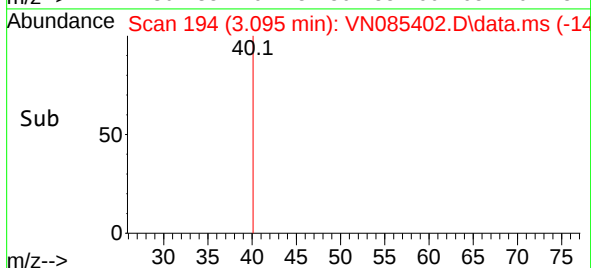
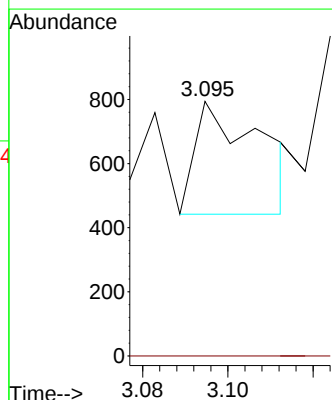
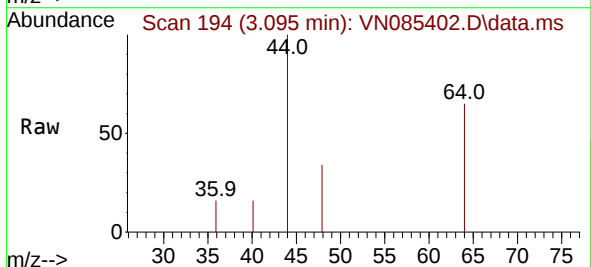
Instrument :
MSVOA_N
ClientSampleId :

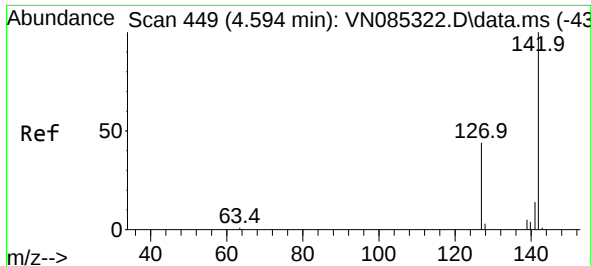
Tgt Ion: 94 Resp: 1545
Ion Ratio Lower Upper
94 100
96 60.9 75.2 112.8#



#6
Chloroethane
Concen: 0.255 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.029 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

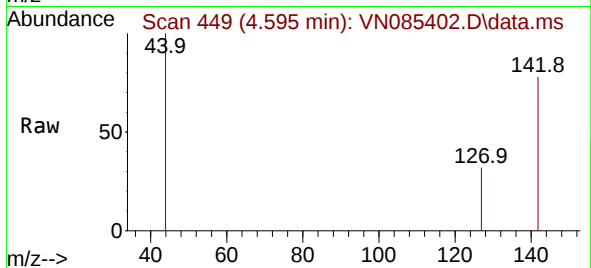
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 24.1 36.1#



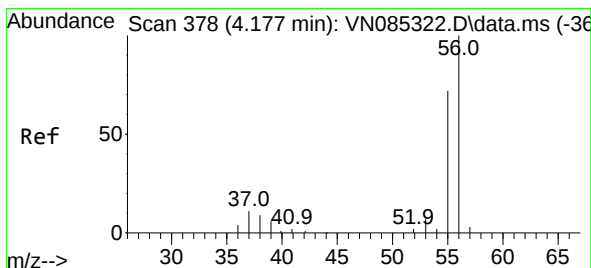
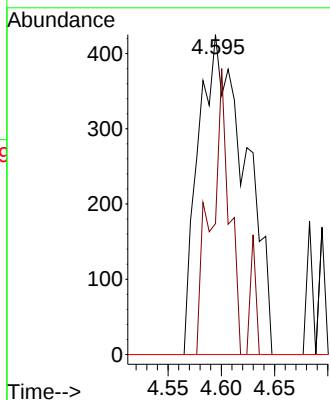
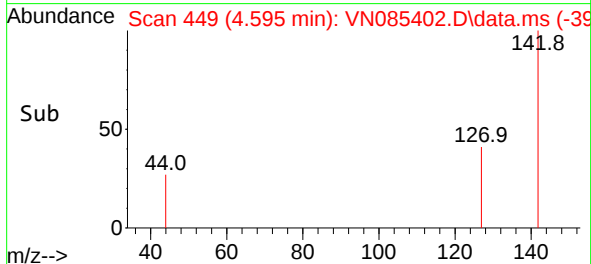


#10
Methyl Iodide
Concen: 0.648 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Instrument :
MSVOA_N
ClientSampleId :

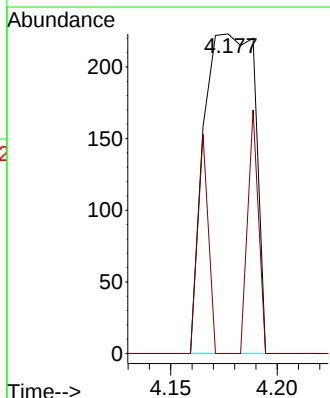
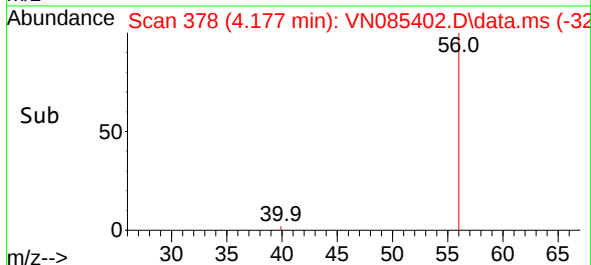
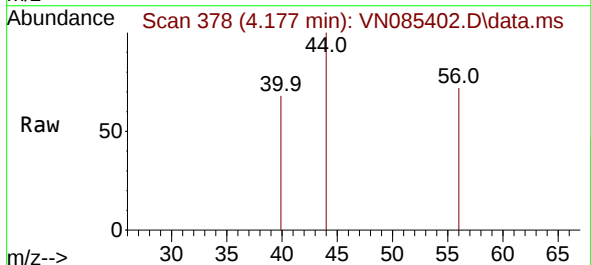


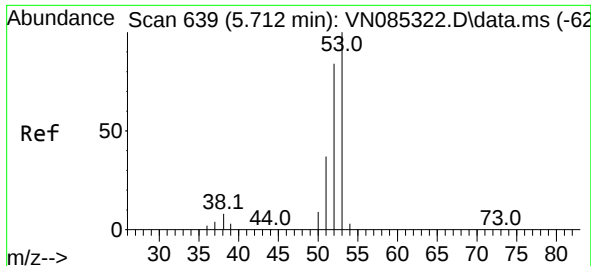
Tgt Ion:142 Resp: 1304
Ion Ratio Lower Upper
142 100
127 40.9 35.3 52.9
141 0.0 11.5 17.3#



#13
Acrolein
Concen: 0.910 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

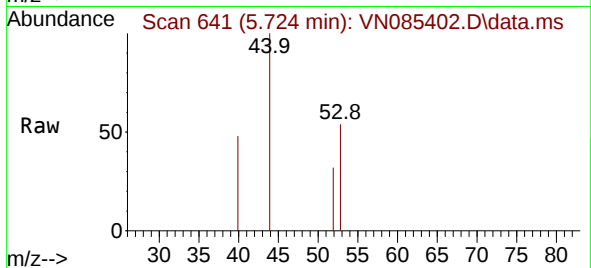
Tgt Ion: 56 Resp: 366
Ion Ratio Lower Upper
56 100
55 16.4 57.5 86.3#



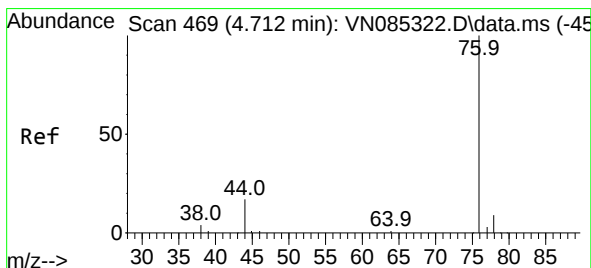
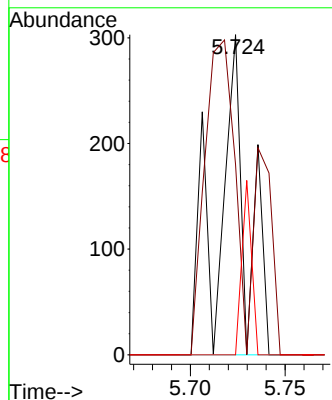
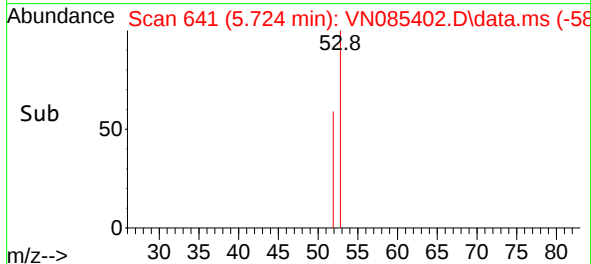


#15
 Acrylonitrile
 Concen: 0.385 ug/l
 RT: 5.724 min Scan# 641
 Delta R.T. 0.012 min
 Lab File: VN085402.D
 Acq: 09 Jan 2025 12:19

Instrument :
 MSVOA_N
 ClientSampleId :

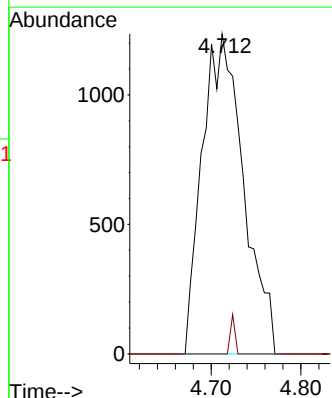
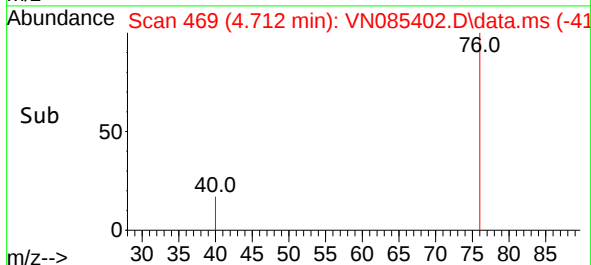
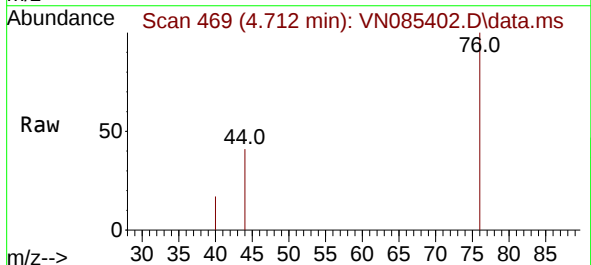


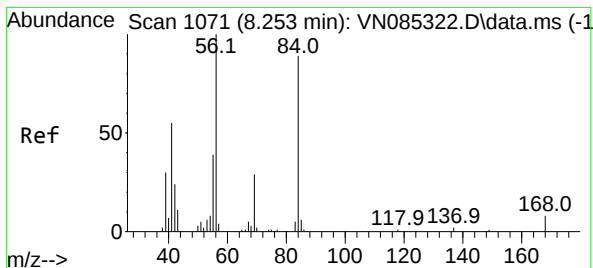
Tgt Ion: 53	Resp: 313
Ion Ratio	Lower Upper
53 100	
52 103.5	66.6 100.0#
51 0.0	29.6 44.4#



#17
 Carbon Disulfide
 Concen: 0.810 ug/l
 RT: 4.712 min Scan# 469
 Delta R.T. 0.000 min
 Lab File: VN085402.D
 Acq: 09 Jan 2025 12:19

Tgt Ion: 76	Resp: 3955
Ion Ratio	Lower Upper
76 100	
78 0.0	7.2 10.8#





#31

Cyclohexane

Concen: 1.399 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

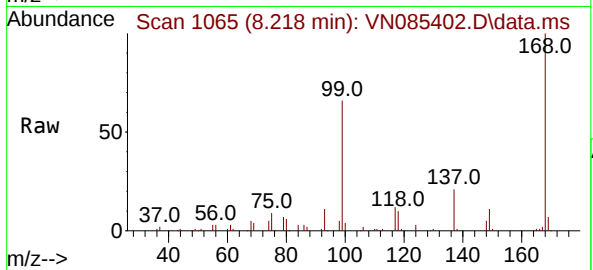
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Acq: 09 Jan 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :



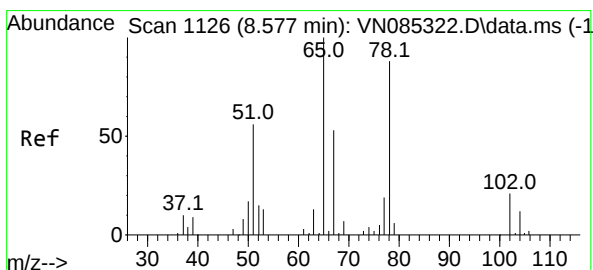
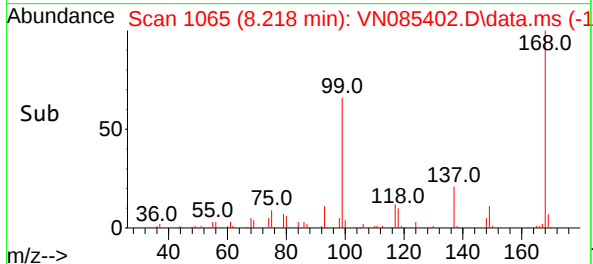
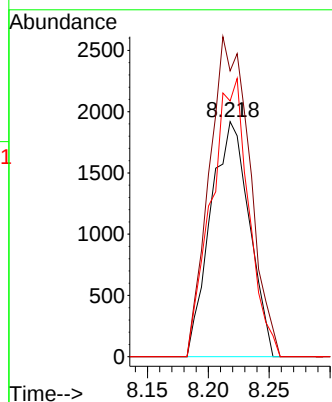
Tgt Ion: 56 Resp: 4262

Ion Ratio Lower Upper

56 100

69 121.6 23.4 35.0#

84 108.8 71.0 106.6#



#33

1,2-Dichloroethane-d4

Concen: 58.121 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085402.D

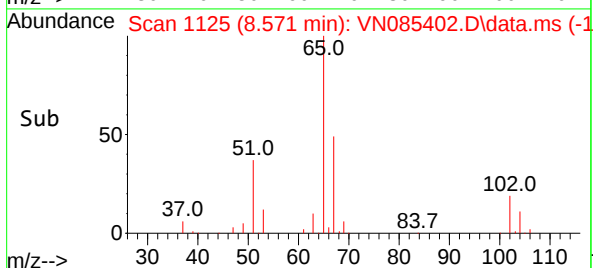
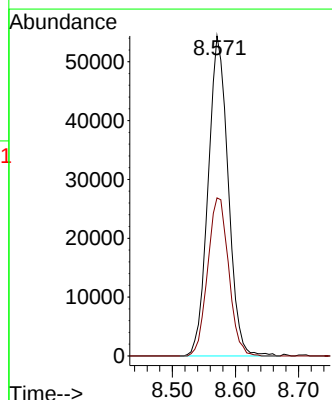
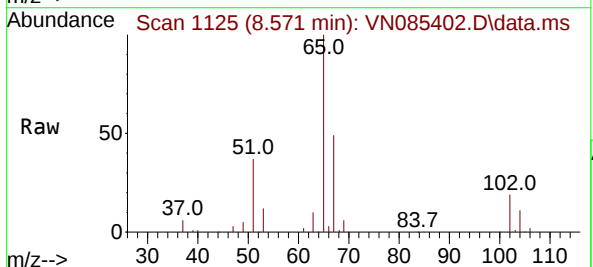
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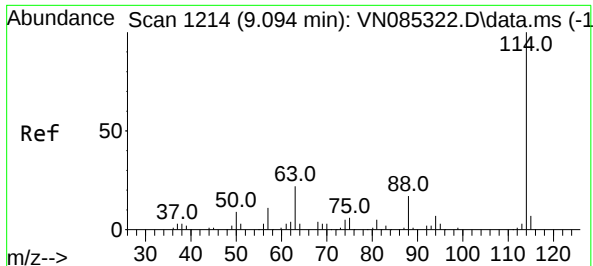
Tgt Ion: 65 Resp: 119793

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

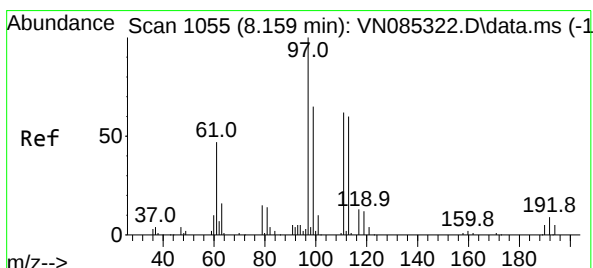
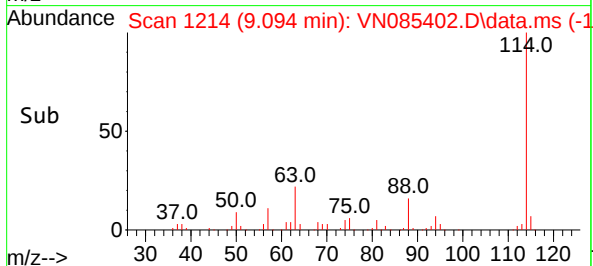
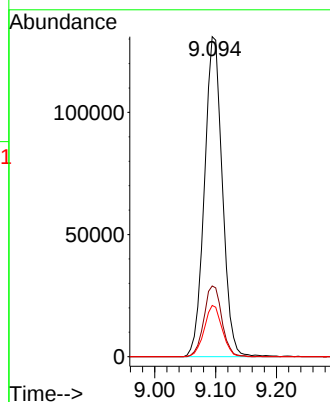
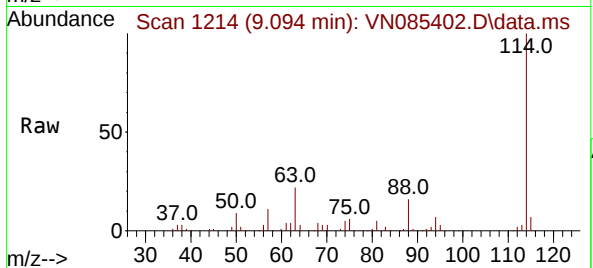
Tgt Ion:114 Resp: 267862

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 55.238 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

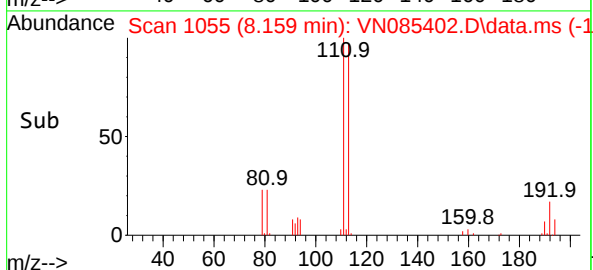
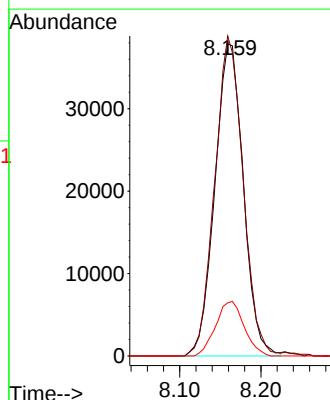
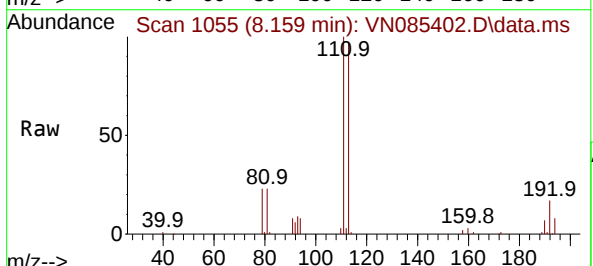
Tgt Ion:113 Resp: 92307

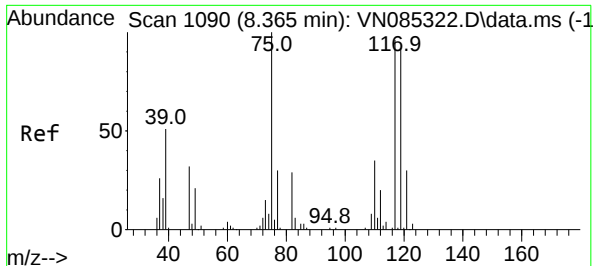
Ion Ratio Lower Upper

113 100

111 101.6 80.5 120.7

192 17.5 12.9 19.3





#36

1,1-Dichloropropene

Concen: 5.491 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

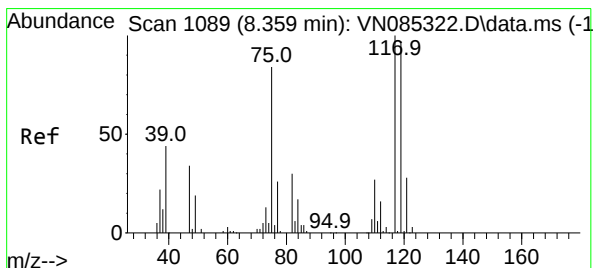
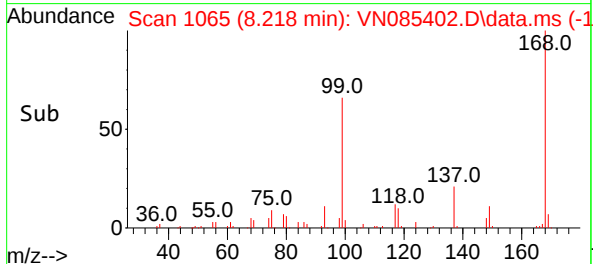
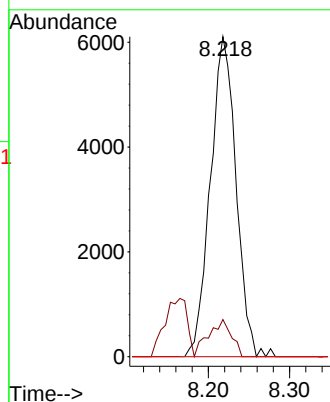
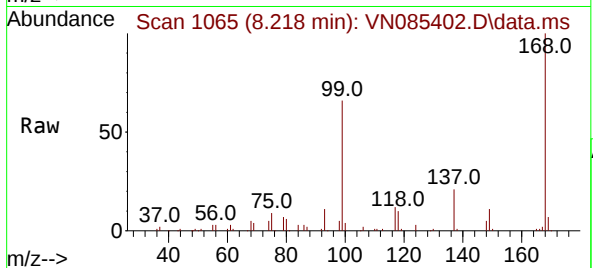
Tgt Ion: 75 Resp: 13435

Ion Ratio Lower Upper

75 100

110 10.3 16.6 49.8#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

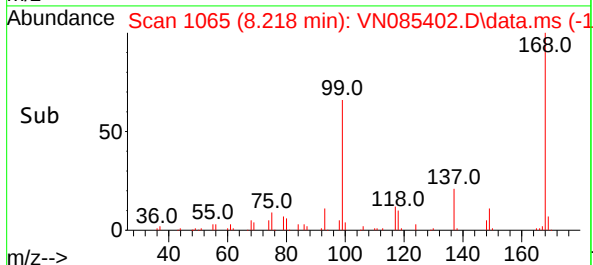
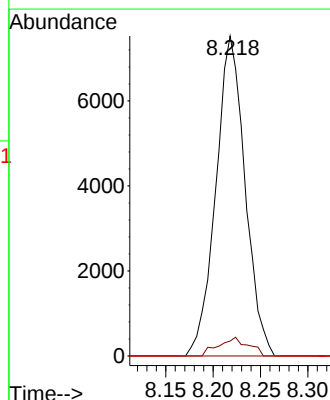
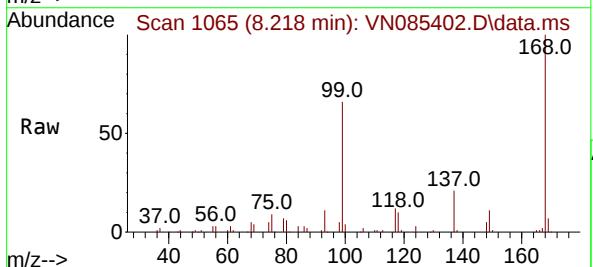
Tgt Ion: 117 Resp: 16148

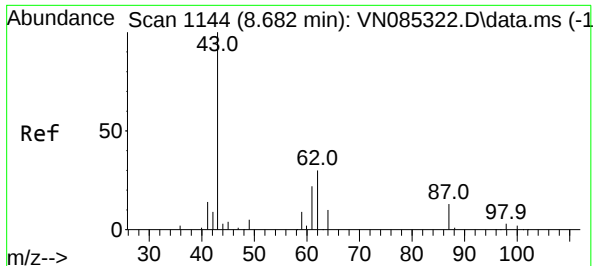
Ion Ratio Lower Upper

117 100

119 4.7 77.8 116.6#

121 0.0 22.5 33.7#





#43

Isopropyl Acetate

Concen: 0.223 ug/l

RT: 8.700 min Scan# 1144

Delta R.T. 0.018 min

Lab File: VN085402.D

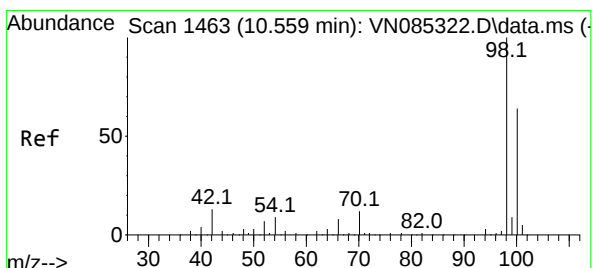
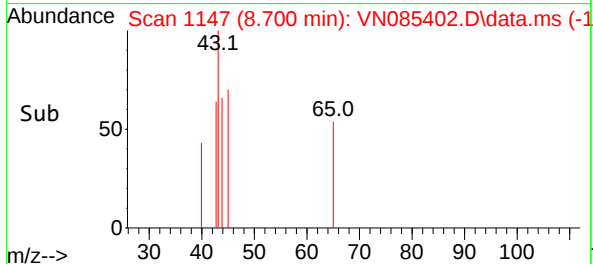
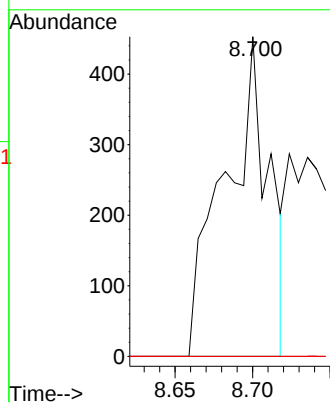
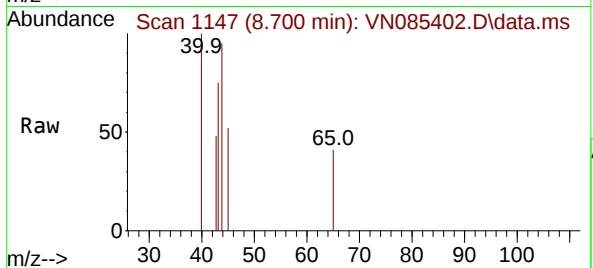
Acq: 09 Jan 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 891
Ion Ratio	Lower Upper
43	100
61	0.0 20.8 31.2#
87	0.0 10.2 15.4#



#50

Toluene-d8

Concen: 52.098 ug/l

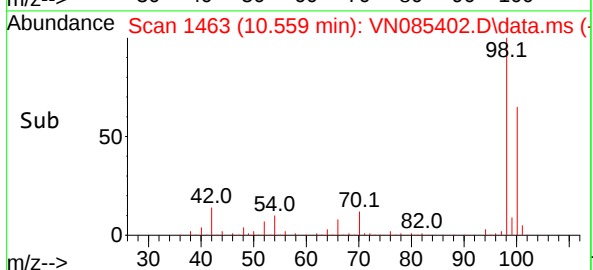
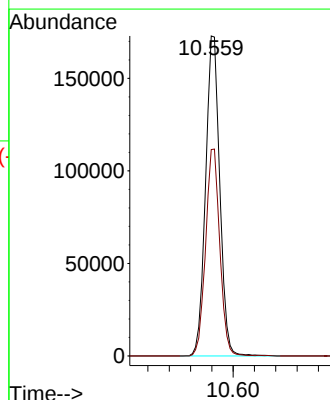
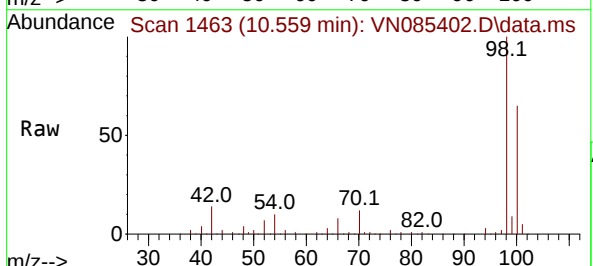
RT: 10.559 min Scan# 1463

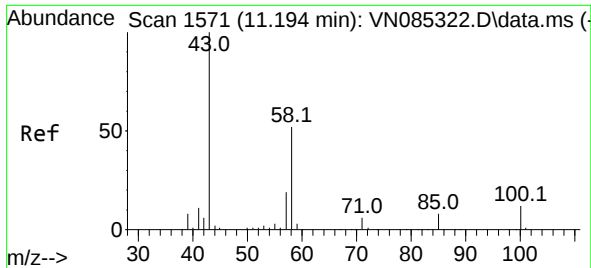
Delta R.T. 0.000 min

Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Tgt Ion: 98	Resp: 319469
Ion Ratio	Lower Upper
98	100
100	64.7 51.5 77.3

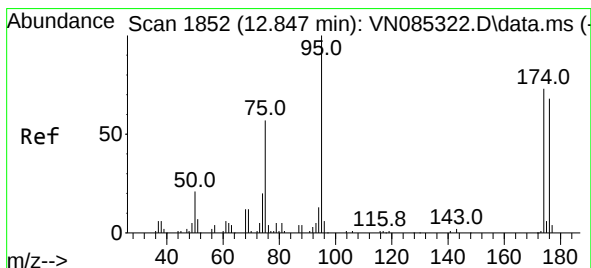
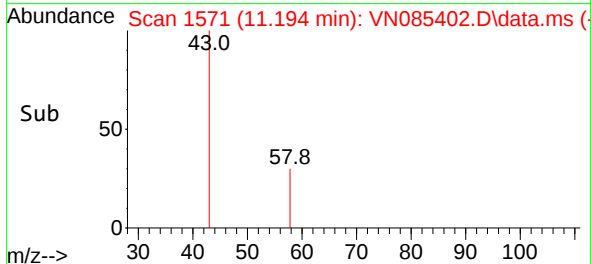
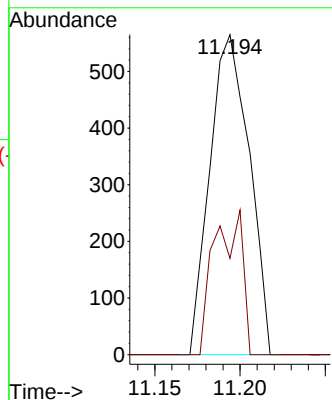
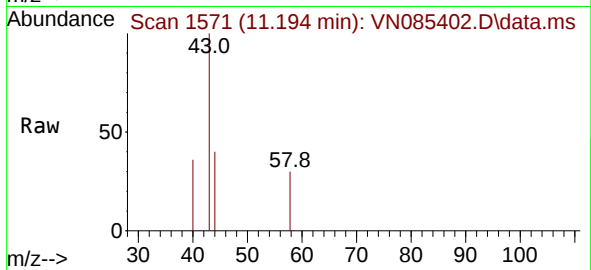




#59
2-Hexanone
Concen: 0.582 ug/l
RT: 11.194 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

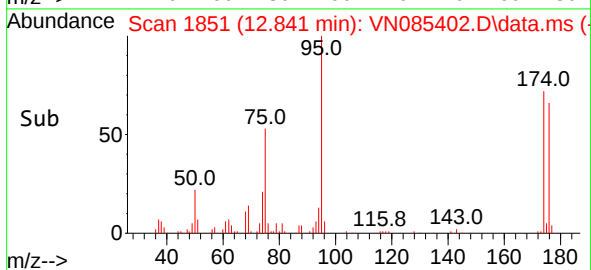
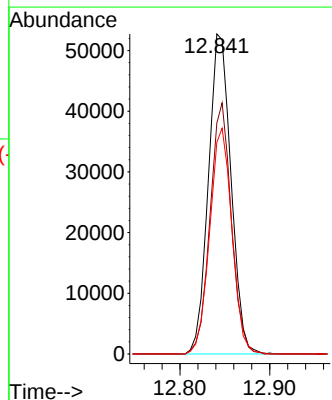
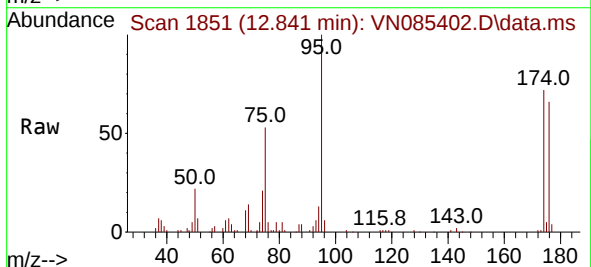
Instrument :
MSVOA_N
ClientSampleId :

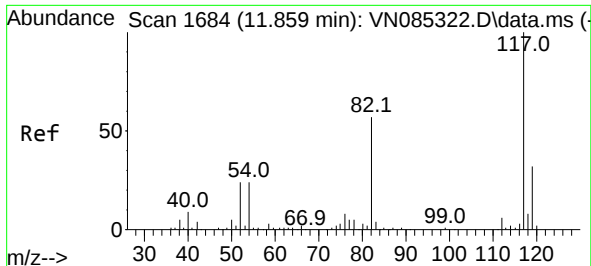
Tgt Ion: 43 Resp: 909
Ion Ratio Lower Upper
43 100
58 32.5 26.5 79.5



#62
4-Bromofluorobenzene
Concen: 45.229 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion: 95 Resp: 92109
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.2
176 69.4 0.0 135.8

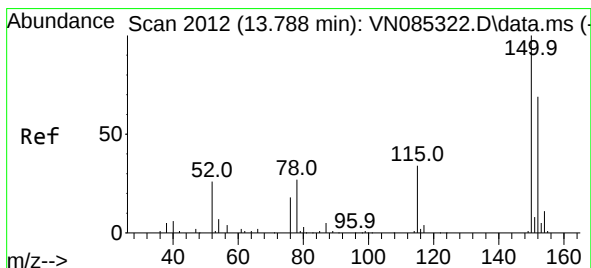
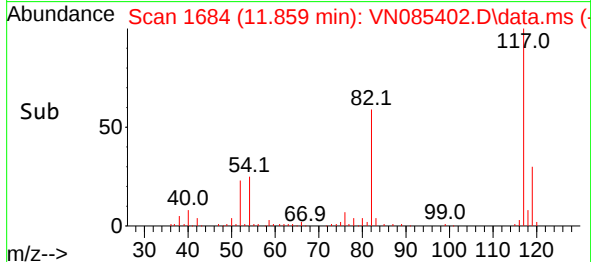
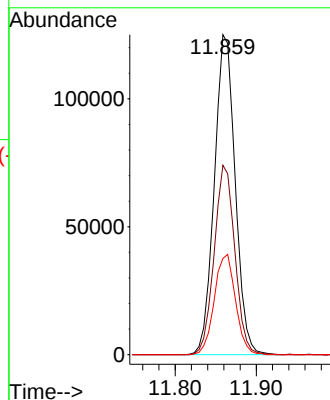
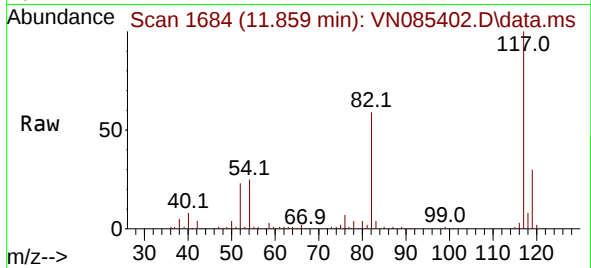




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

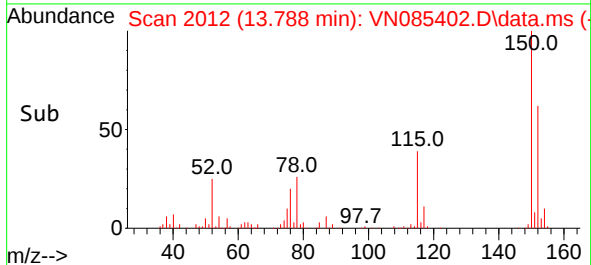
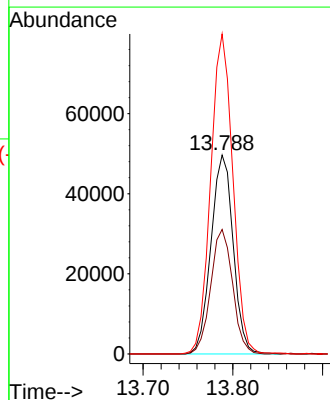
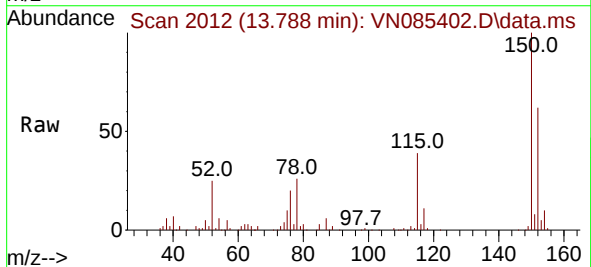
Instrument :
MSVOA_N
ClientSampleId :

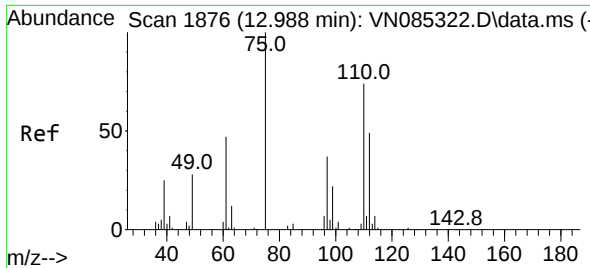
Tgt Ion:117 Resp: 223637
Ion Ratio Lower Upper
117 100
82 59.2 45.7 68.5
119 30.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion:152 Resp: 85308
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.3
150 160.7 0.0 345.0

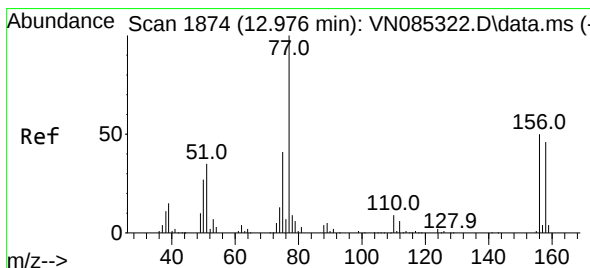
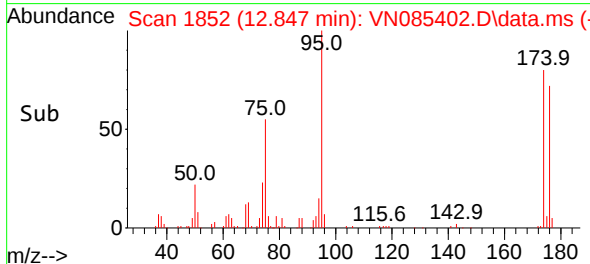
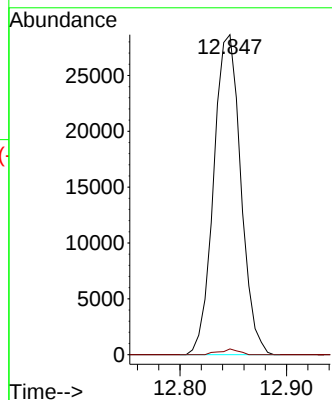
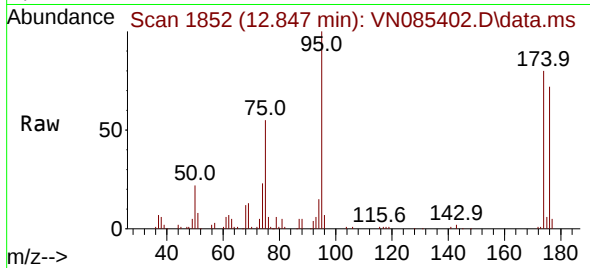




#76
1,2,3-Trichloropropane
Concen: 31.808 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

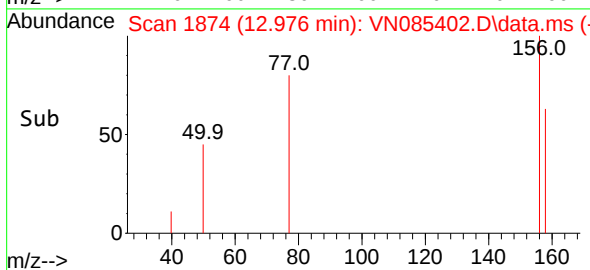
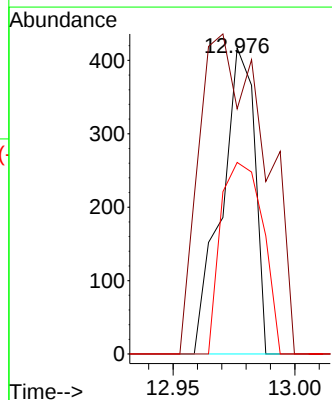
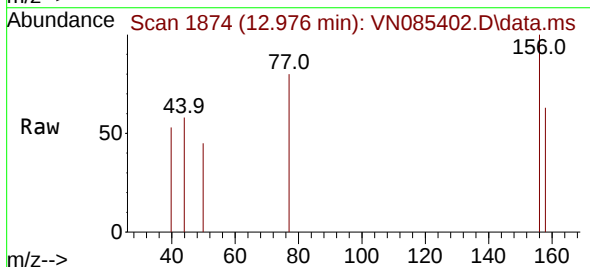
Instrument :
MSVOA_N
ClientSampleId :

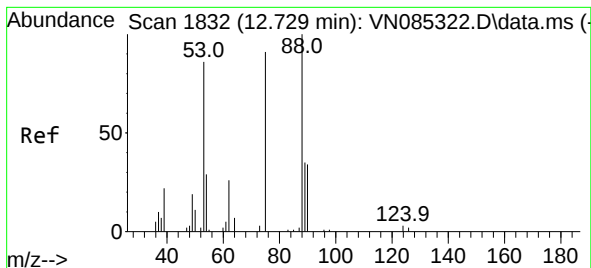
Tgt Ion: 75 Resp: 50671
Ion Ratio Lower Upper
75 100
77 1.2 98.1 294.3#



#77
Bromobenzene
Concen: 0.261 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion:156 Resp: 396
Ion Ratio Lower Upper
156 100
77 206.3 114.0 342.0
158 79.3 47.6 142.8

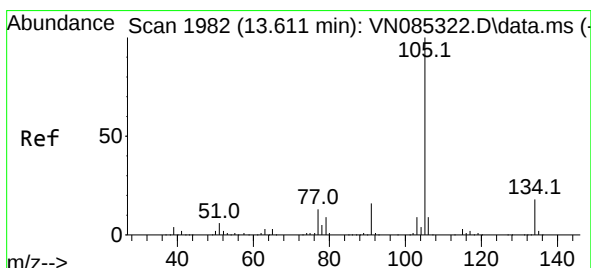
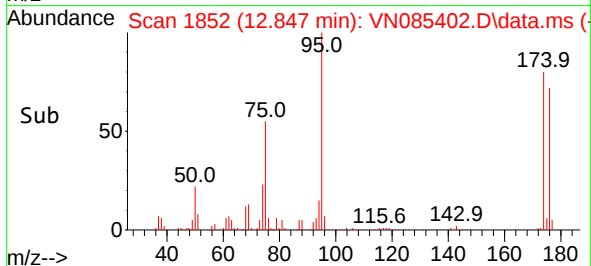
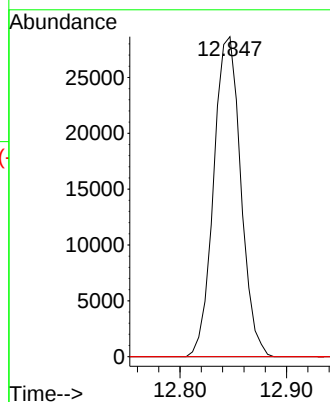
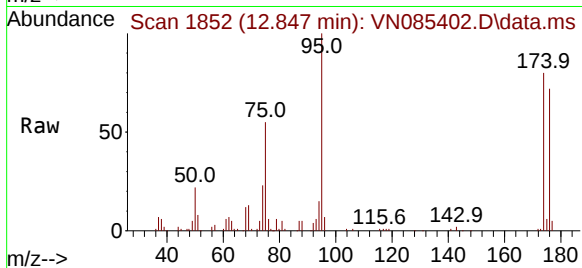




#81
trans-1,4-Dichloro-2-butene
Concen: 76.175 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

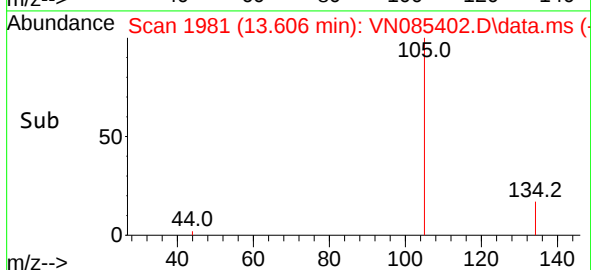
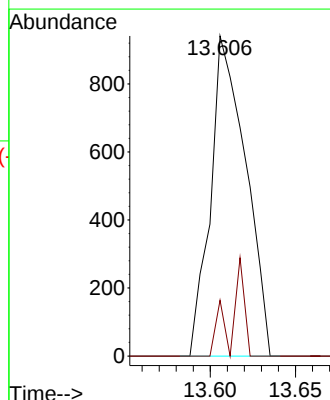
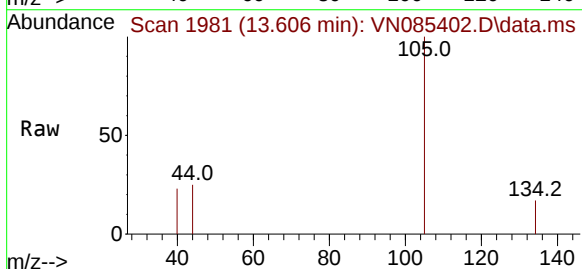
Instrument :
MSVOA_N
ClientSampleId :

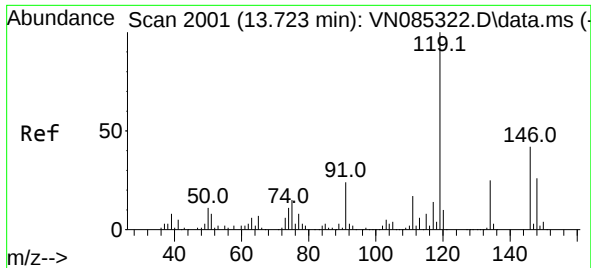
Tgt Ion: 75 Resp: 50671
Ion Ratio Lower Upper
75 100
53 0.0 80.0 120.0#
89 0.0 35.8 53.8#



#85
sec-Butylbenzene
Concen: 0.226 ug/l
RT: 13.606 min Scan# 1981
Delta R.T. -0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

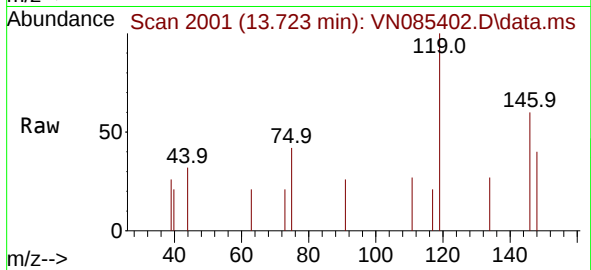
Tgt Ion: 105 Resp: 1348
Ion Ratio Lower Upper
105 100
134 11.9 9.4 28.3



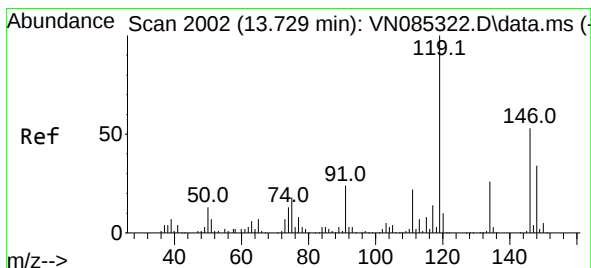
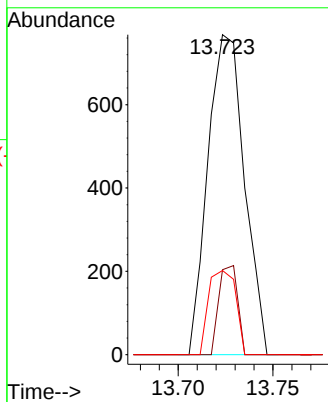
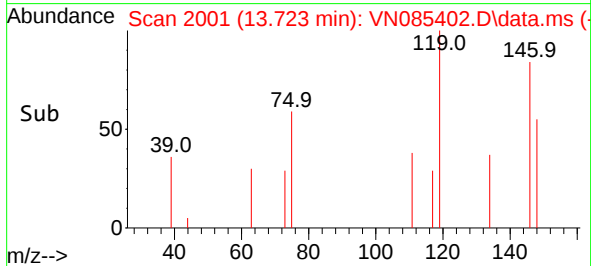


#86
 p-Isopropyltoluene
 Concen: 0.397 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN085402.D
 Acq: 09 Jan 2025 12:19

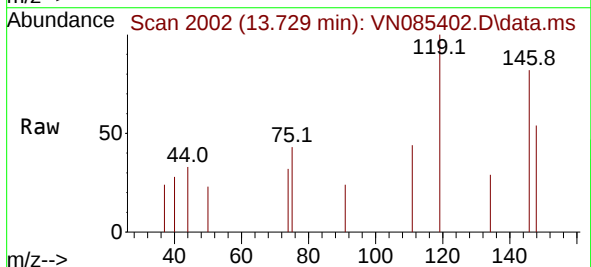
Instrument :
 MSVOA_N
 ClientSampleId :



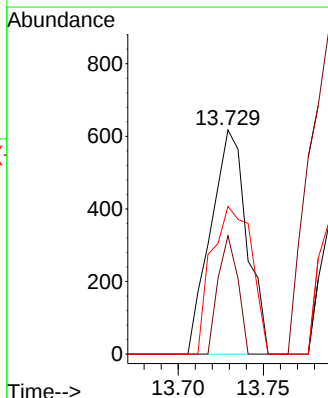
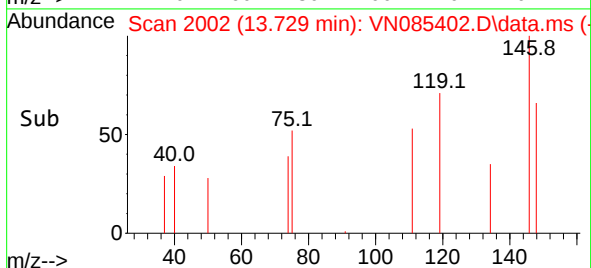
Tgt Ion:119 Resp: 1031
 Ion Ratio Lower Upper
 119 100
 134 14.4 12.5 37.5
 91 19.5 12.2 36.4

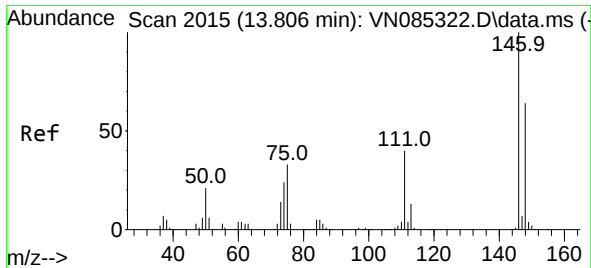


#87
 1,3-Dichlorobenzene
 Concen: 0.330 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN085402.D
 Acq: 09 Jan 2025 12:19



Tgt Ion:146 Resp: 910
 Ion Ratio Lower Upper
 146 100
 111 28.8 21.3 63.9
 148 73.2 31.5 94.5

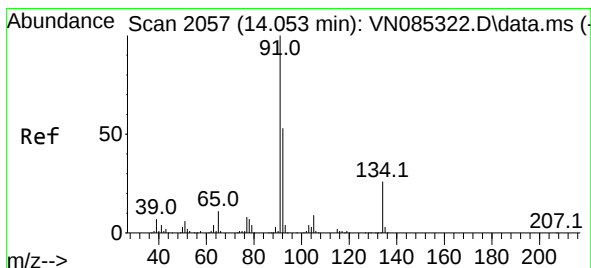
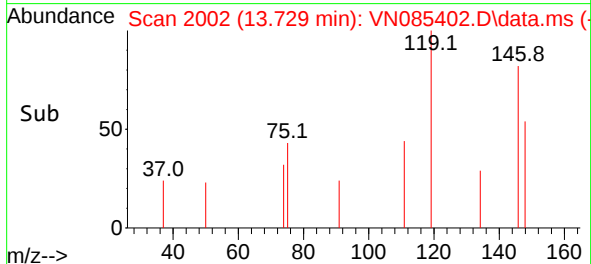
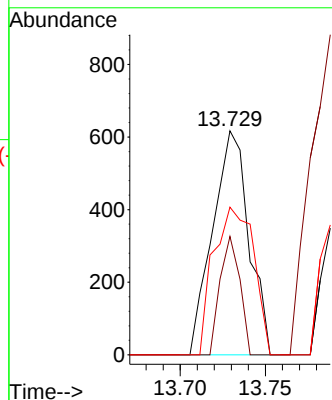
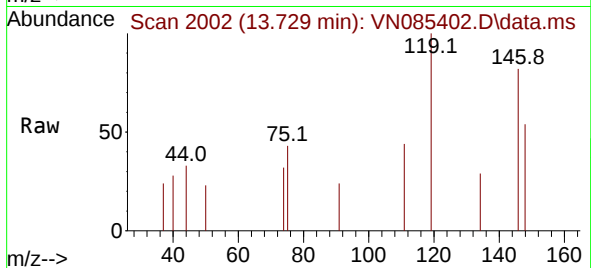




#88
1,4-Dichlorobenzene
Concen: 0.322 ug/l
RT: 13.729 min Scan# 2015
Delta R.T. -0.076 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

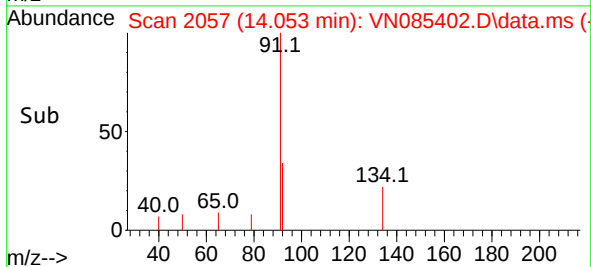
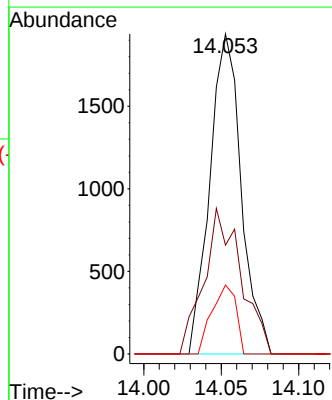
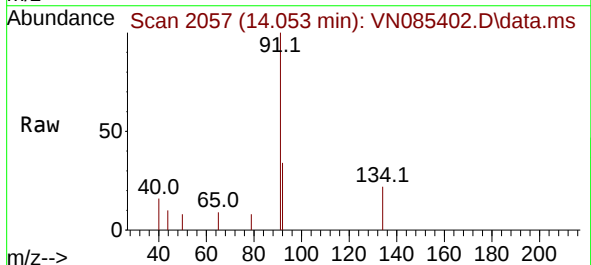
Instrument :
MSVOA_N
ClientSampleId :

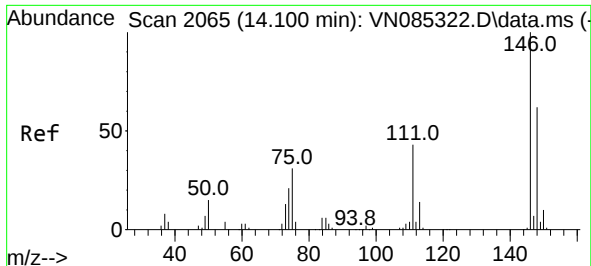
Tgt Ion:146 Resp: 910
Ion Ratio Lower Upper
146 100
111 28.8 20.8 62.5
148 73.2 31.7 95.1



#89
n-Butylbenzene
Concen: 0.625 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

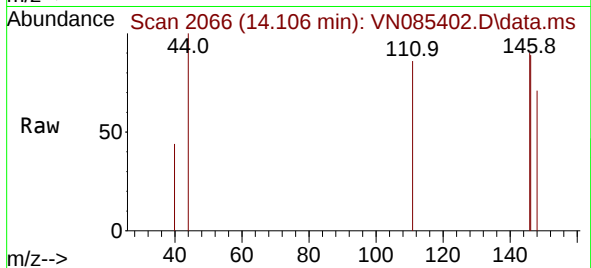
Tgt Ion: 91 Resp: 2731
Ion Ratio Lower Upper
91 100
92 53.6 26.0 78.0
134 16.6 12.1 36.3



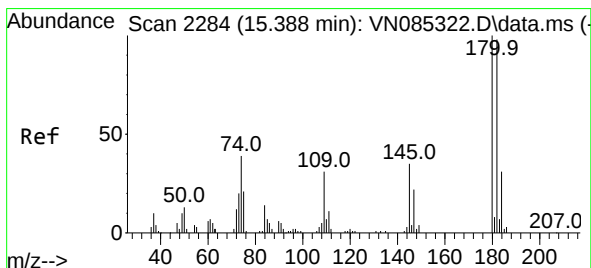
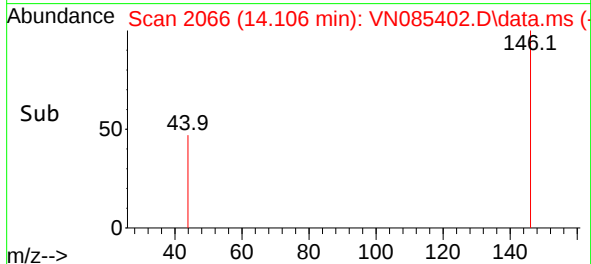
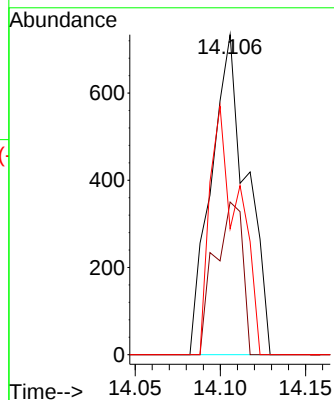


#91
1,2-Dichlorobenzene
Concen: 0.405 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Instrument :
MSVOA_N
ClientSampleId :

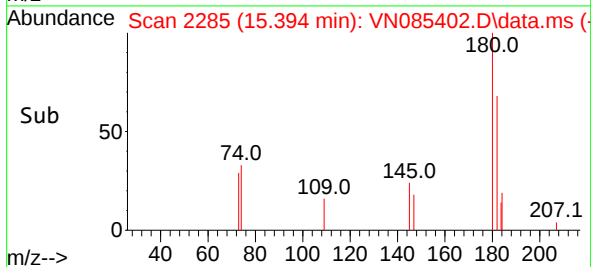
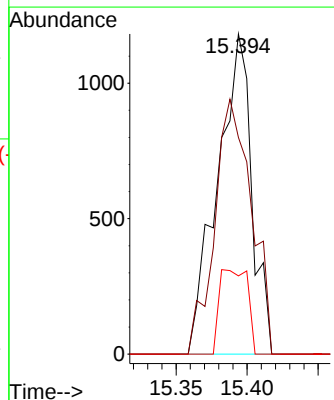
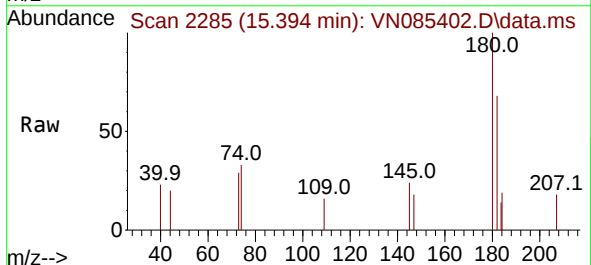


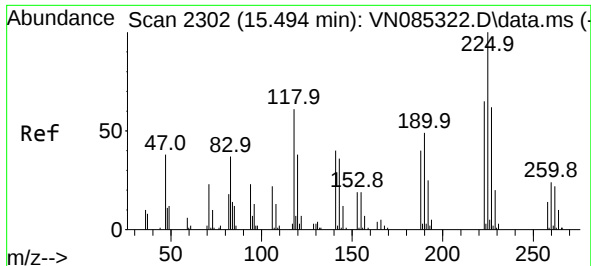
Tgt Ion:146 Resp: 1064
Ion Ratio Lower Upper
146 100
111 37.4 21.8 65.3
148 63.1 31.4 94.2



#93
1,2,4-Trichlorobenzene
Concen: 1.512 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion:180 Resp: 1981
Ion Ratio Lower Upper
180 100
182 86.1 47.2 141.6
145 21.7 16.6 49.8

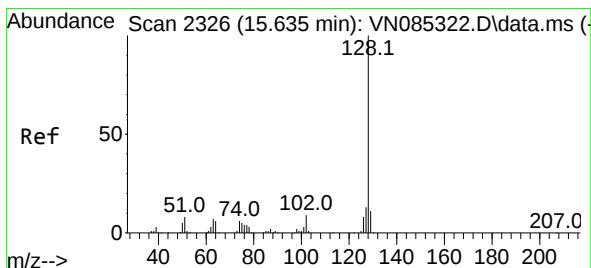
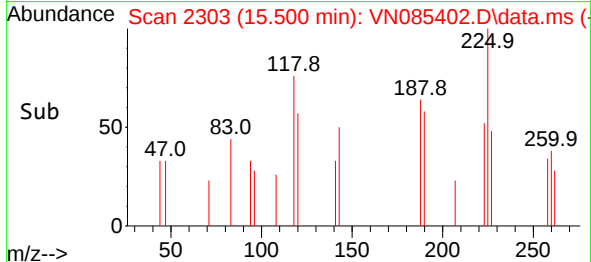
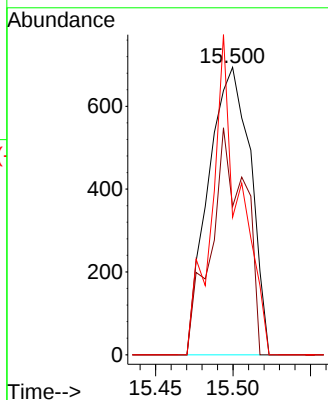
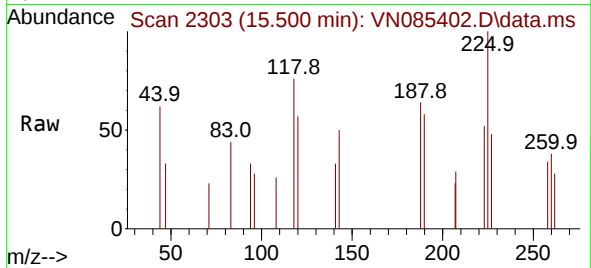




#94
Hexachlorobutadiene
Concen: 2.017 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

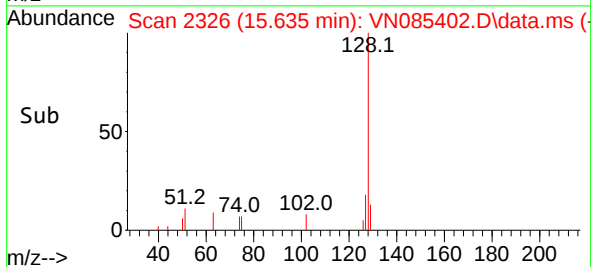
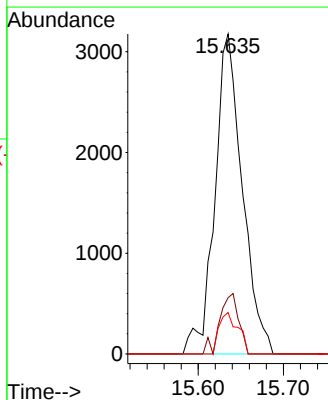
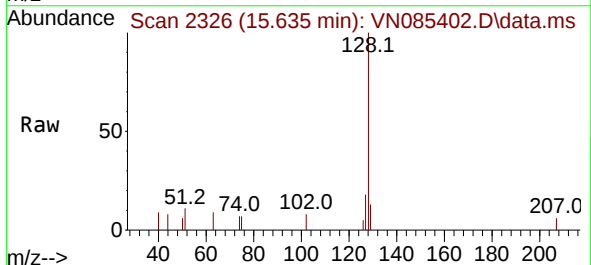
Instrument :
MSVOA_N
ClientSampleId :

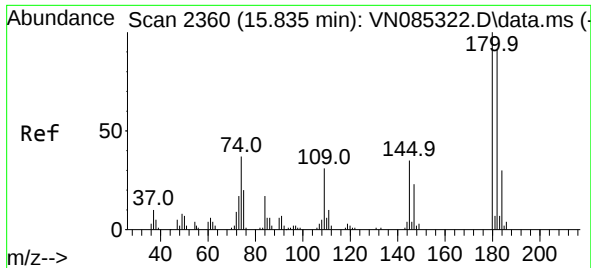
Tgt Ion:225 Resp: 1313
Ion Ratio Lower Upper
225 100
223 63.9 31.6 94.7
227 74.3 30.3 91.0



#95
Naphthalene
Concen: 1.603 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN085402.D
Acq: 09 Jan 2025 12:19

Tgt Ion:128 Resp: 7119
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 8.9 8.5 12.7





#96

1,2,3-Trichlorobenzene

Concen: 1.794 ug/l

RT: 15.835 min Scan# 21

Delta R.T. 0.000 min

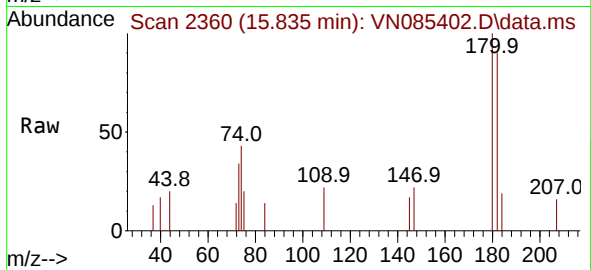
Lab File: VN085402.D

Acq: 09 Jan 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 2348

Ion	Ratio	Lower	Upper
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180	100		
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182	107.0	46.8	140.4
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145	15.2	17.2	51.6#
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