

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051425\
 Data File : VN086628.D
 Acq On : 14 May 2025 15:45
 Operator : JC\MD
 Sample : Q2014-05
 Misc : 1.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0148

Quant Time: May 15 03:05:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

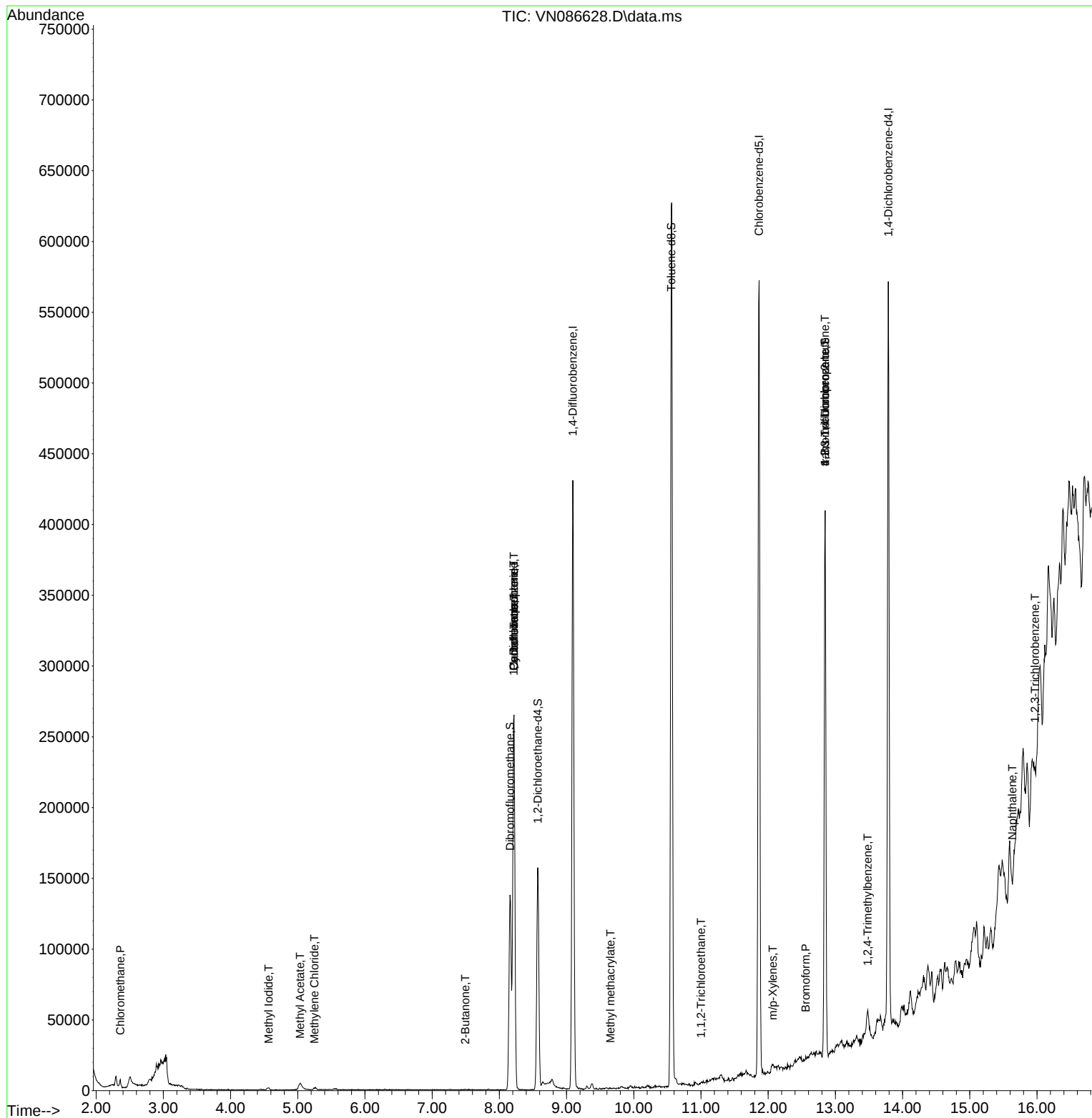
Internal Standards						
1) Pentafluorobenzene	8.218	168	199672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	381650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	342961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	128482	44.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.740%		
35) Dibromofluoromethane	8.159	113	104434	58.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	117.920%		
50) Toluene-d8	10.559	98	451989	47.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.500%		
62) 4-Bromofluorobenzene	12.847	95	145330	42.090	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	84.180%		
Target Compounds						Qvalue
3) Chloromethane	2.359	50	4727	1.374	ug/l	99
10) Methyl Iodide	4.565	142	2991	1.237	ug/l #	87
16) Acetone	4.459	43	972	Below Cal	#	43
18) Methyl Acetate	5.036	43	12247	3.524	ug/l #	67
20) Methylene Chloride	5.247	84	1218	0.455	ug/l #	58
25) 2-Butanone	7.494	43	370	0.205	ug/l #	48
31) Cyclohexane	8.218	56	4301	0.917	ug/l #	1
36) 1,1-Dichloropropene	8.212	75	16101	4.551	ug/l #	49
38) Carbon Tetrachloride	8.218	117	20337	6.036	ug/l #	16
43) Isopropyl Acetate	8.641	43	5400	Below Cal	#	55
48) Methyl methacrylate	9.653	41	683	0.209	ug/l #	18
55) 1,1,2-Trichloroethane	11.000	97	830	0.326	ug/l #	40
68) m/p-Xylenes	12.070	106	1249	0.241	ug/l	79
71) Bromoform	12.559	173	488	0.257	ug/l #	84
76) 1,2,3-Trichloropropane	12.847	75	72101	21.175	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	72101	50.855	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	4393	0.447	ug/l	78
95) Naphthalene	15.635	128	4853	0.600	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.970	180	928	0.429	ug/l	85

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

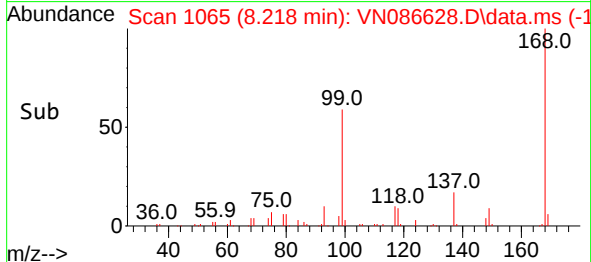
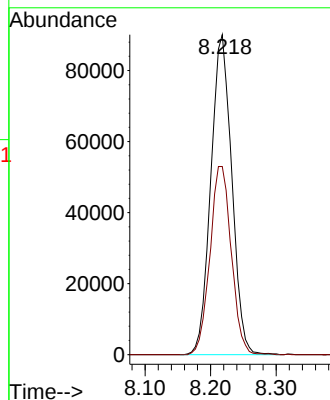
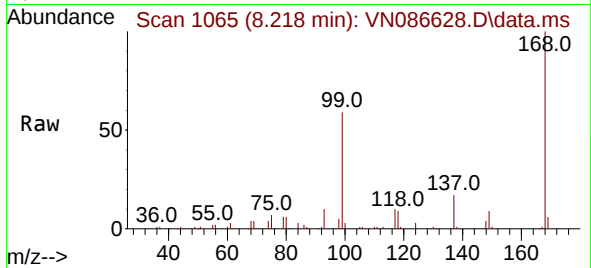




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

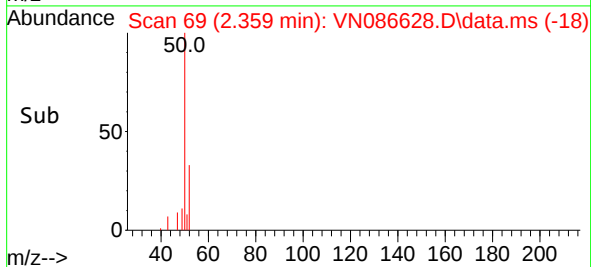
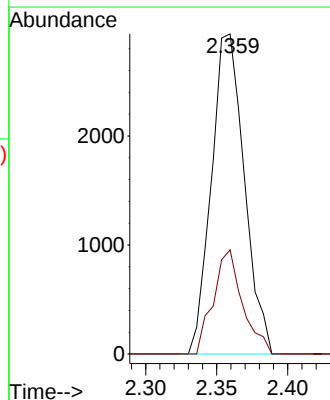
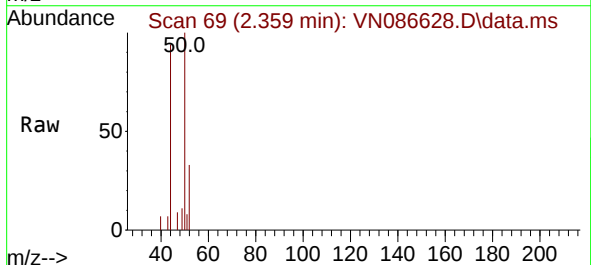
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

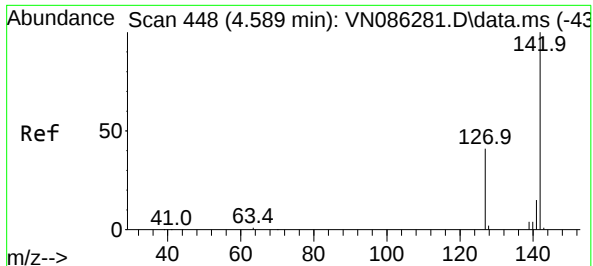
Tgt Ion:168 Resp: 199672
Ion Ratio Lower Upper
168 100
99 58.8 52.5 78.7



#3
Chloromethane
Concen: 1.374 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

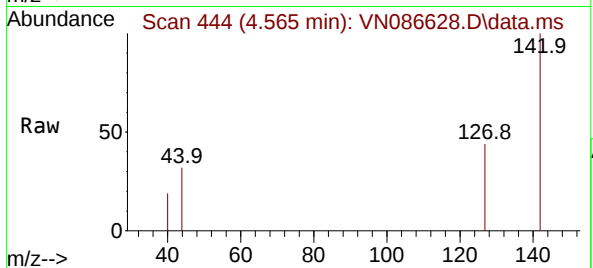
Tgt Ion: 50 Resp: 4727
Ion Ratio Lower Upper
50 100
52 32.6 26.5 39.7



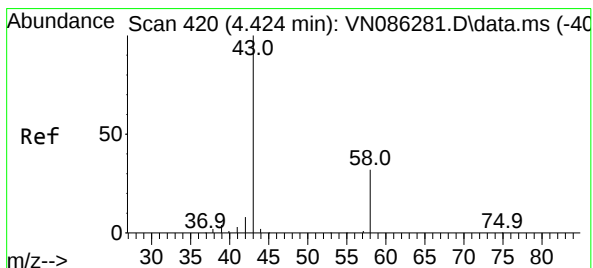
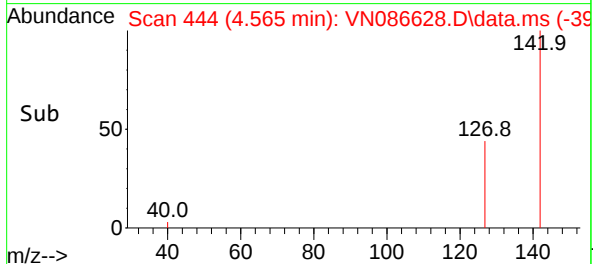
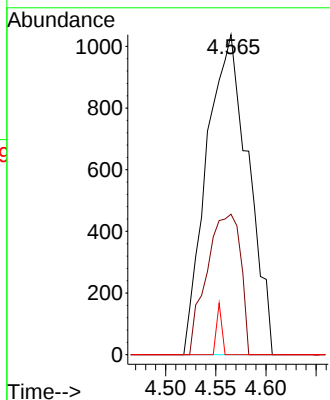


#10
Methyl Iodide
Concen: 1.237 ug/l
RT: 4.565 min Scan# 44
Delta R.T. -0.024 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

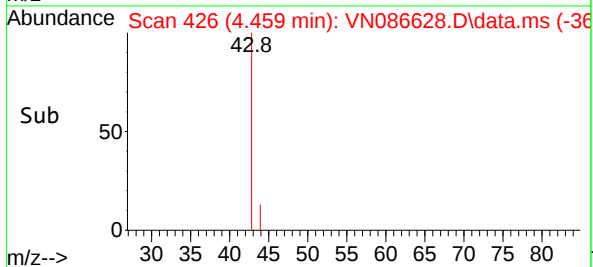
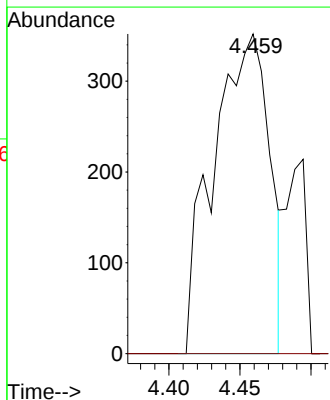
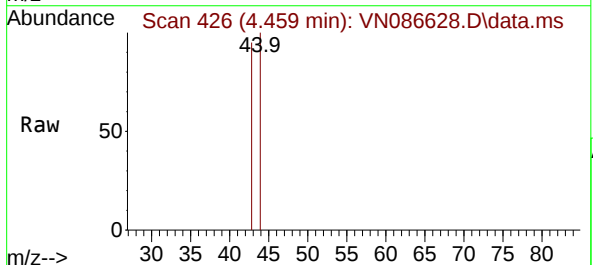


Tgt Ion:142 Resp: 2991
Ion Ratio Lower Upper
142 100
127 43.9 32.7 49.1
141 0.0 11.7 17.5#



#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 426
Delta R.T. 0.035 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#

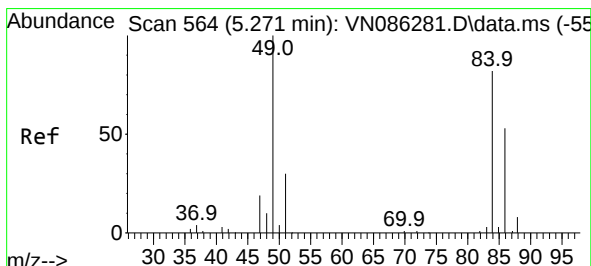
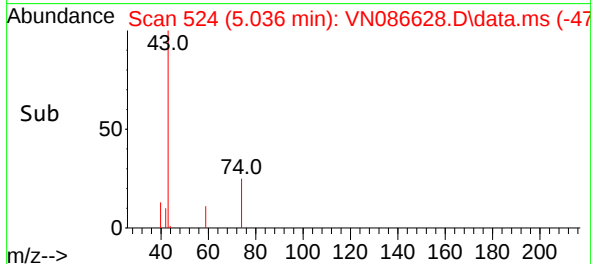
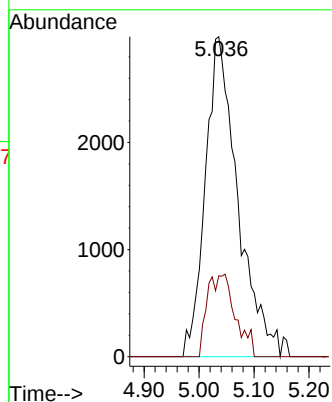
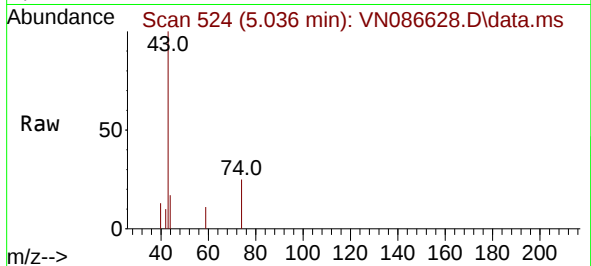




#18
Methyl Acetate
Concen: 3.524 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

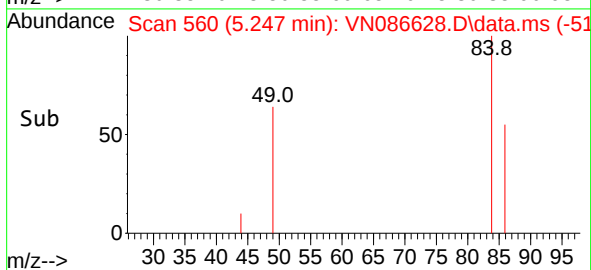
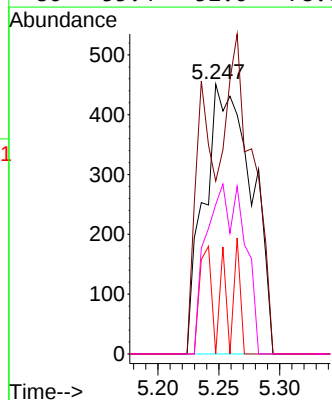
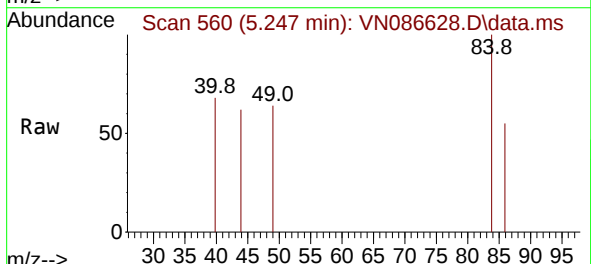
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

Tgt Ion: 43 Resp: 12247
Ion Ratio Lower Upper
43 100
74 8.0 19.8 29.6#



#20
Methylene Chloride
Concen: 0.455 ug/l
RT: 5.247 min Scan# 560
Delta R.T. -0.024 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 84 Resp: 1218
Ion Ratio Lower Upper
84 100
49 64.1 98.2 147.2#
51 0.0 29.8 44.6#
86 55.4 52.0 78.0

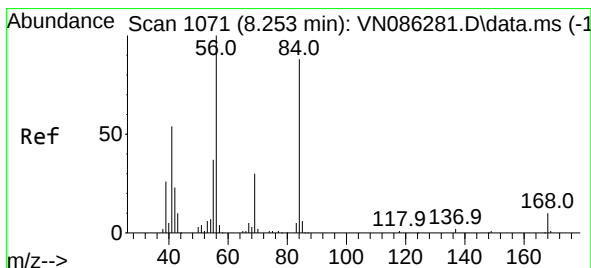
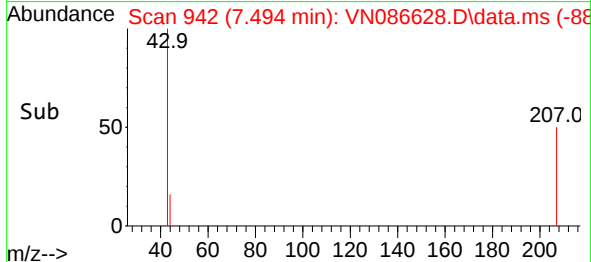
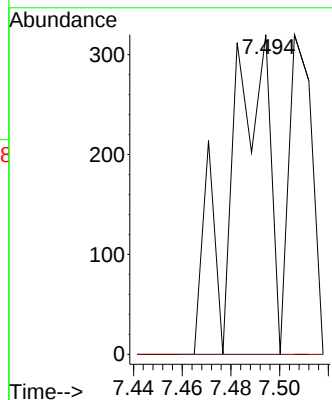
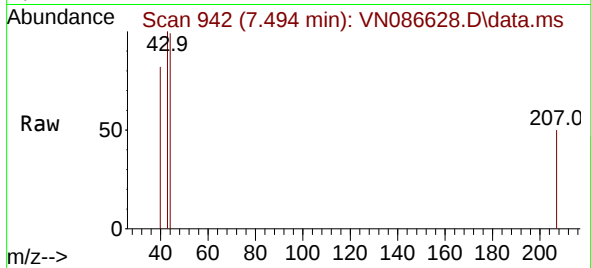




#25
2-Butanone
Concen: 0.205 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

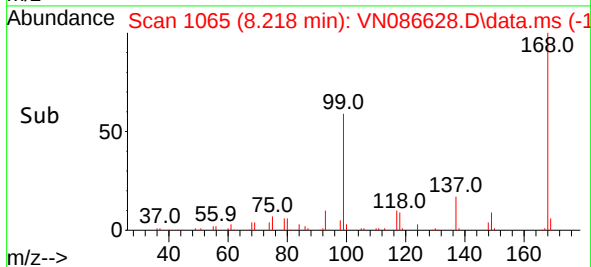
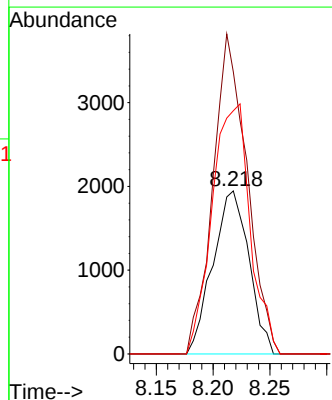
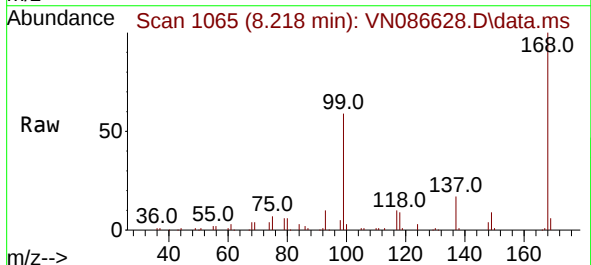
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

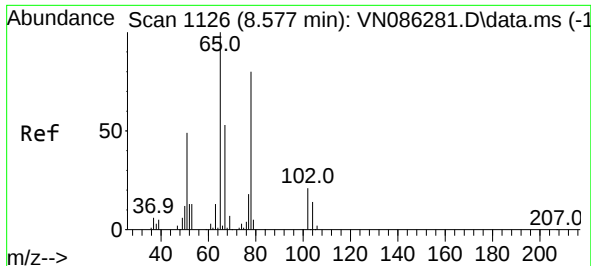
Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#31
Cyclohexane
Concen: 0.917 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 56 Resp: 4301
Ion Ratio Lower Upper
56 100
69 172.9 24.2 36.2#
84 149.1 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 44.374 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086628.D

Acq: 14 May 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

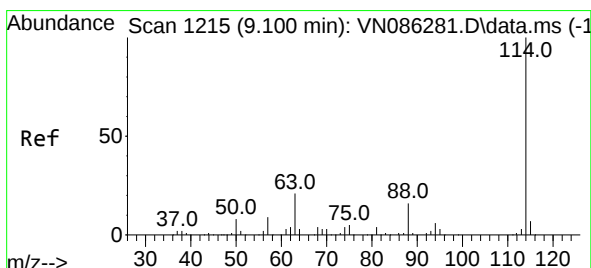
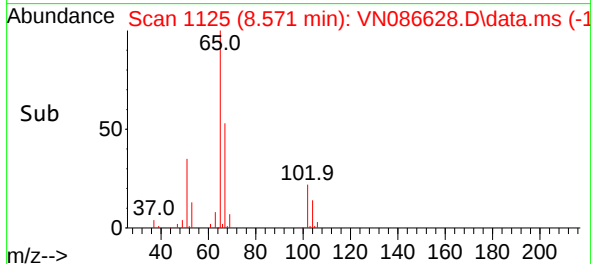
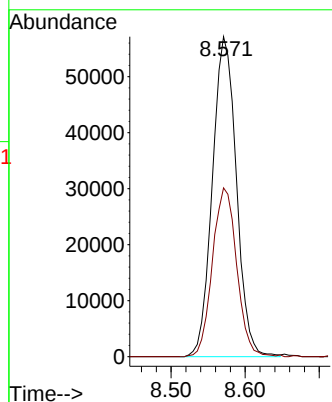
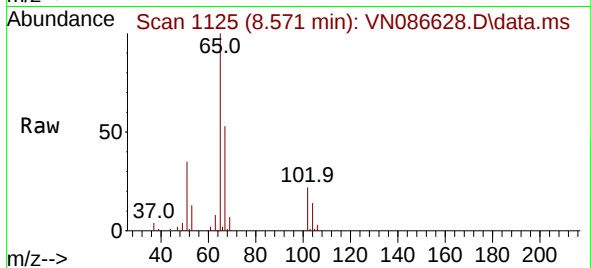
MOO-25-0148

Tgt Ion: 65 Resp: 128482

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086628.D

Acq: 14 May 2025 15:45

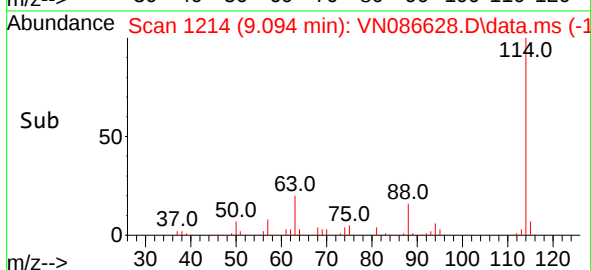
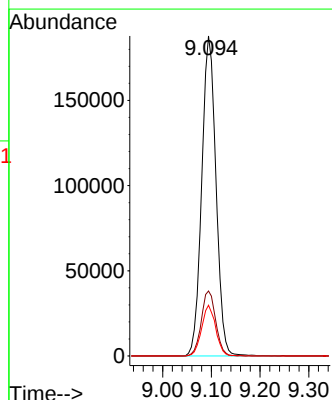
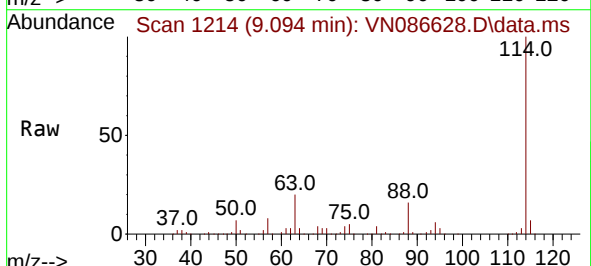
Tgt Ion: 114 Resp: 381650

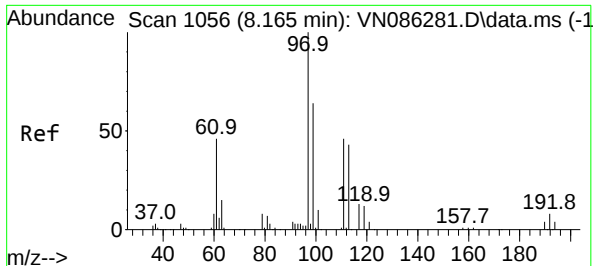
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.8 0.0 31.8

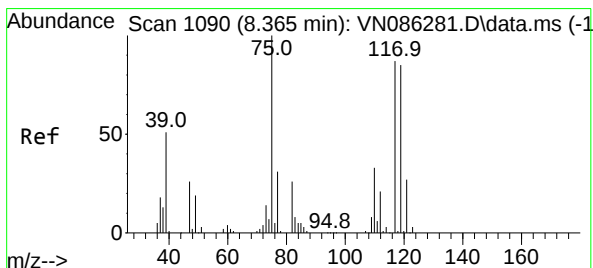
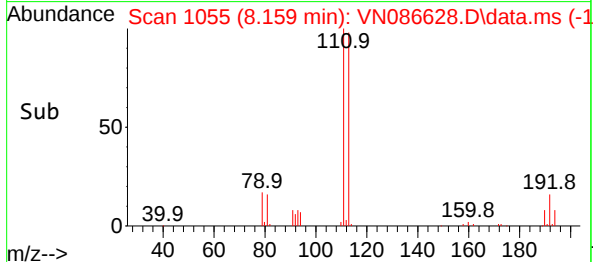
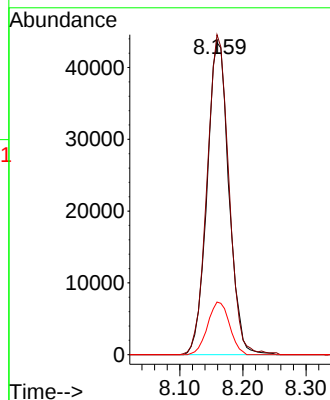
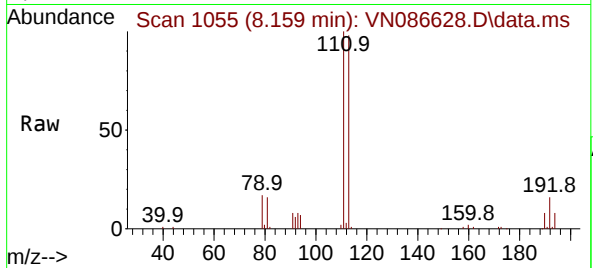




#35
Dibromofluoromethane
Concen: 58.959 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

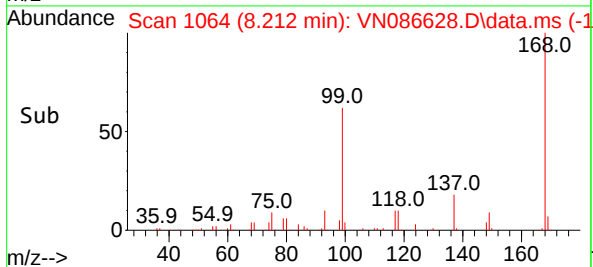
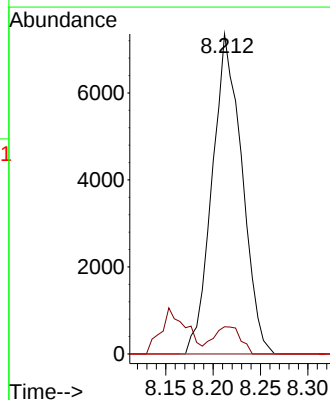
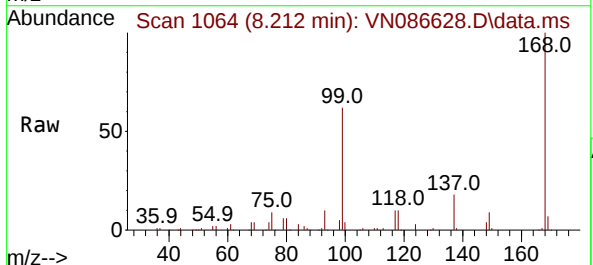
Instrument :
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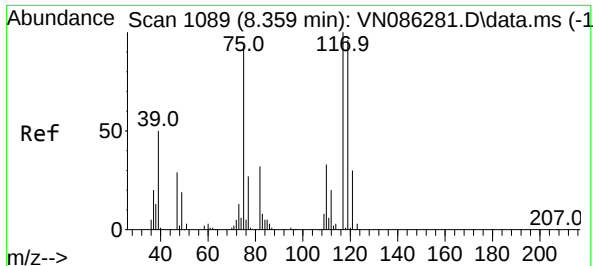
Tgt Ion:113 Resp: 104434
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 16.9 13.7 20.5



#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.153 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

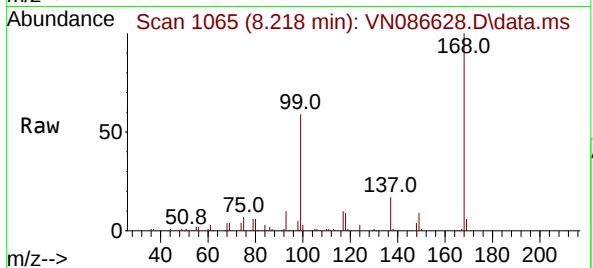
Tgt Ion: 75 Resp: 16101
Ion Ratio Lower Upper
75 100
110 7.8 16.8 50.4#
77 0.0 24.9 37.3#



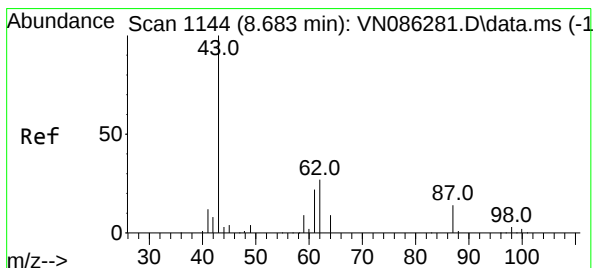
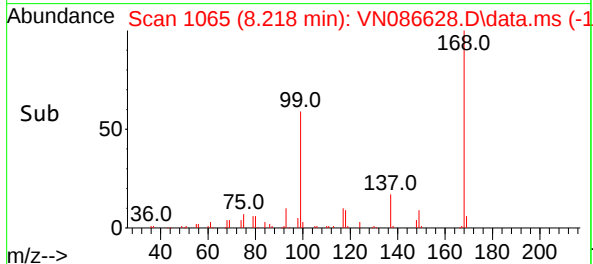
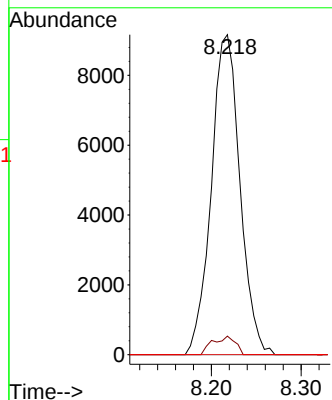


#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 8.218 min Scan# 1137
Delta R.T. -0.141 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

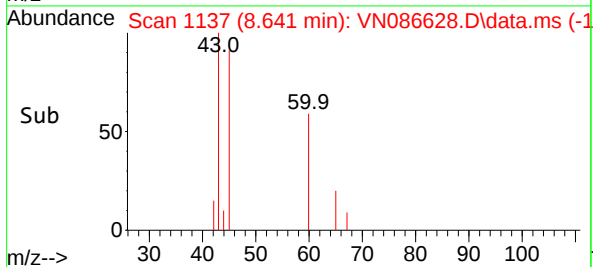
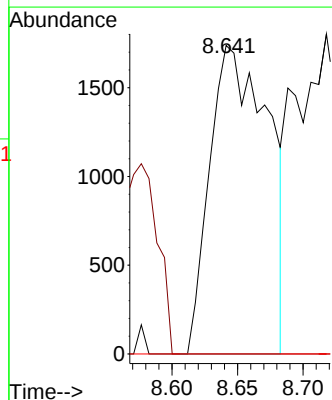
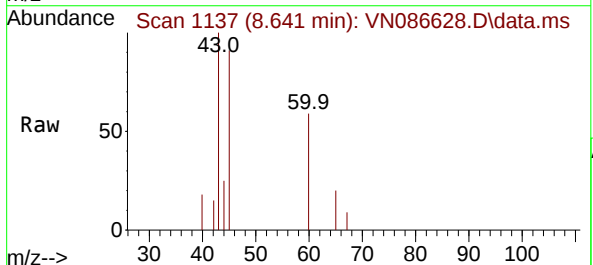


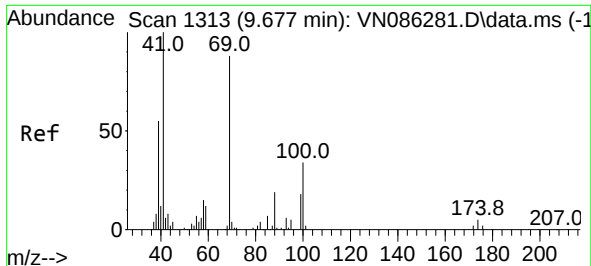
Tgt Ion:117 Resp: 20337
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.641 min Scan# 1137
Delta R.T. -0.042 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 43 Resp: 5400
Ion Ratio Lower Upper
43 100
61 0.0 20.5 30.7#
87 0.0 10.5 15.7#

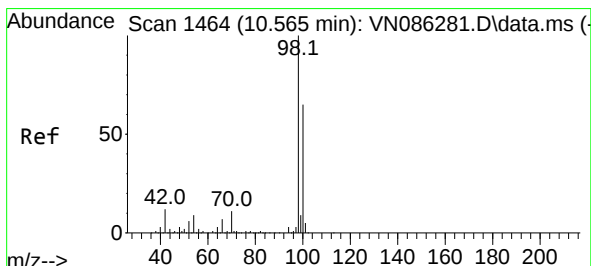
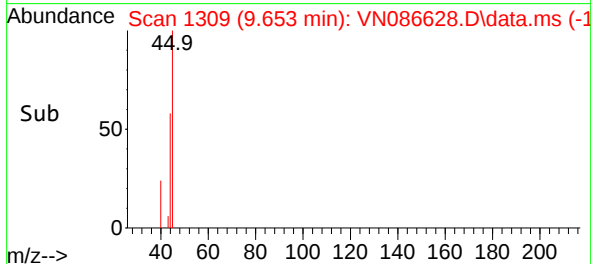
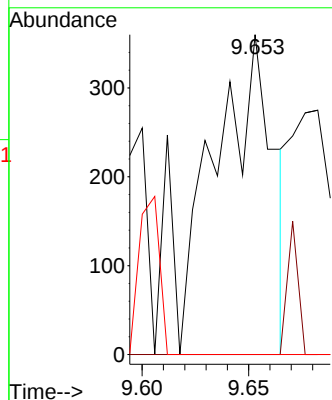
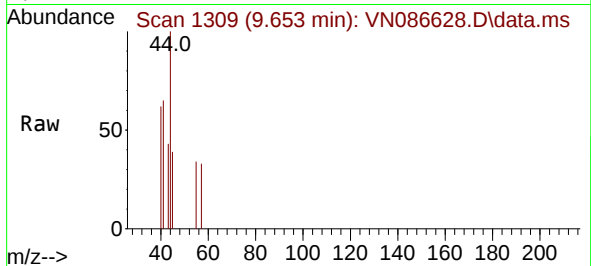




#48
Methyl methacrylate
Concen: 0.209 ug/l
RT: 9.653 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

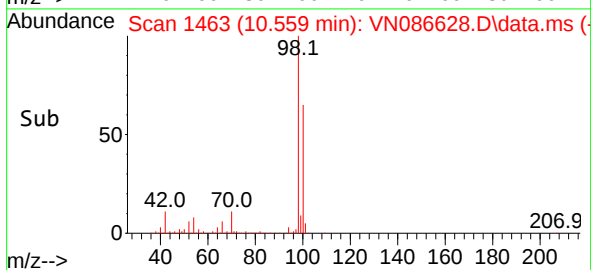
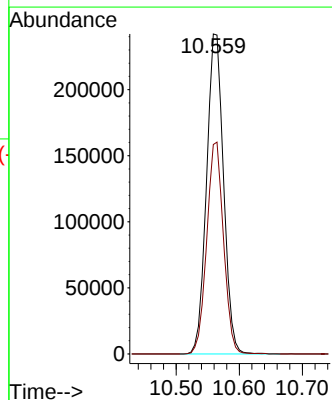
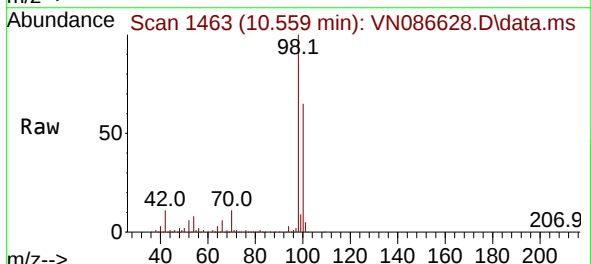
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

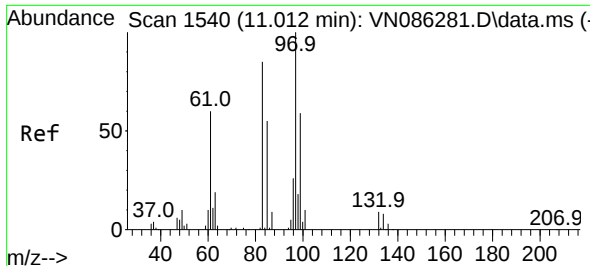
Tgt Ion: 41 Resp: 683
Ion Ratio Lower Upper
41 100
69 7.8 68.2 102.2#
39 0.0 45.2 67.8#



#50
Toluene-d8
Concen: 47.746 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 98 Resp: 451989
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

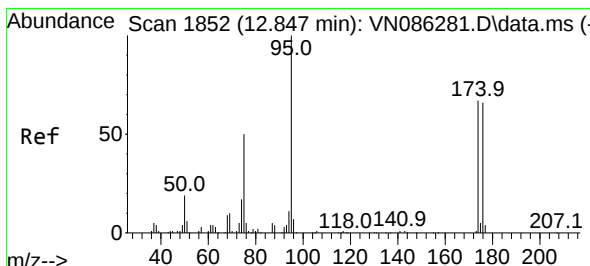
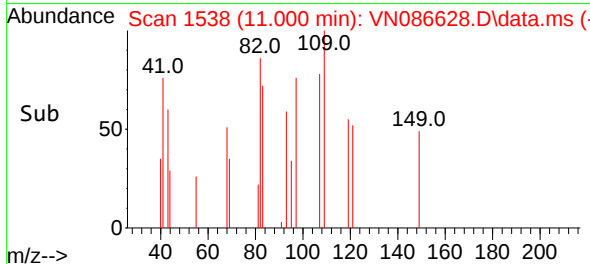
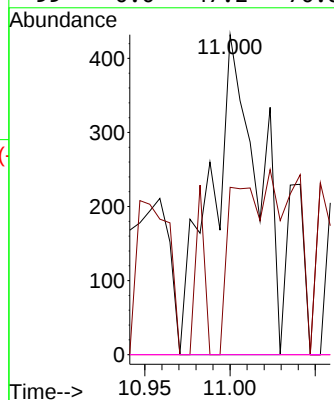
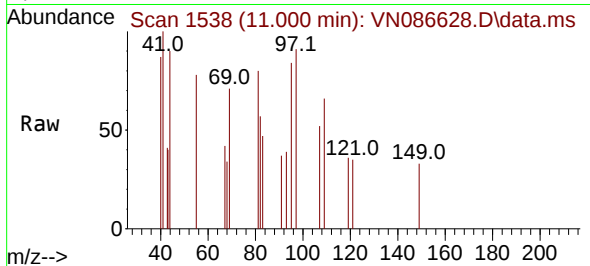




#55
1,1,2-Trichloroethane
Concen: 0.326 ug/l
RT: 11.000 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

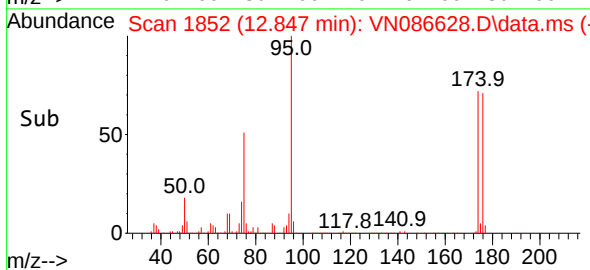
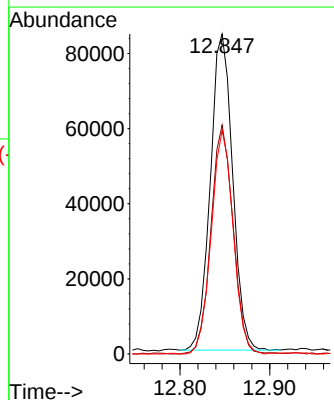
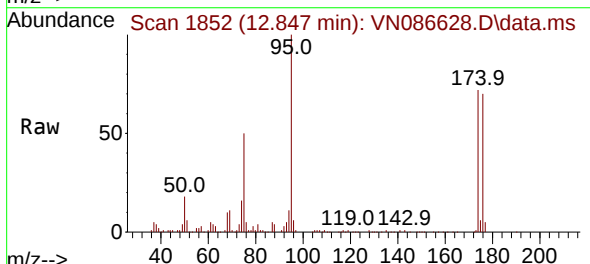
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

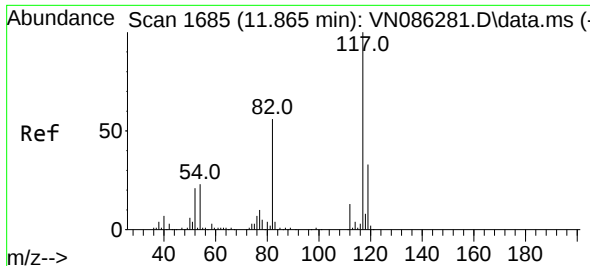
Tgt Ion: 97	Resp: 830
Ion Ratio	Lower Upper
97 100	
83 52.3	68.4 102.6#
85 0.0	43.9 65.9#
99 0.0	47.2 70.8#



#62
4-Bromofluorobenzene
Concen: 42.090 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 95	Resp: 145330
Ion Ratio	Lower Upper
95 100	
174 71.9	0.0 133.4
176 69.4	0.0 129.2

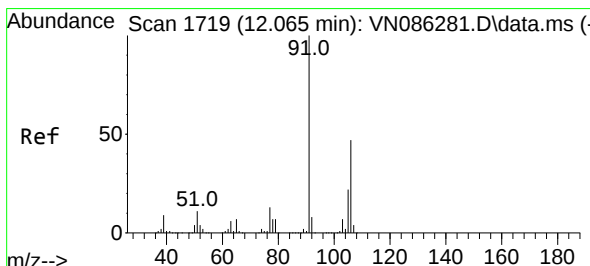
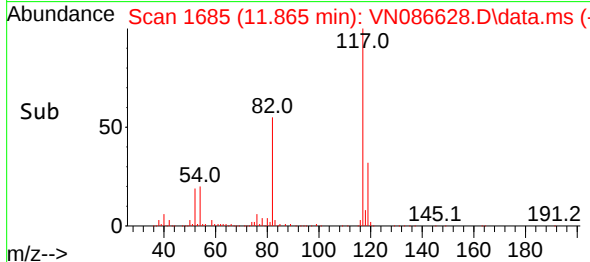
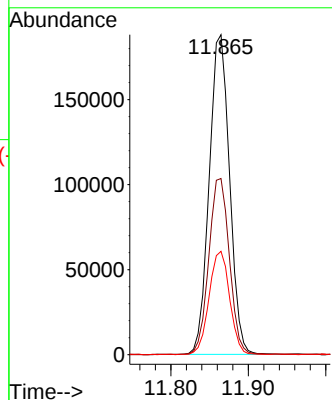
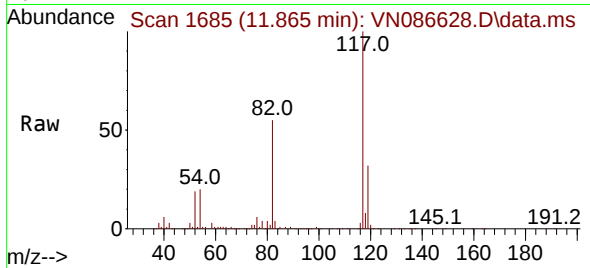




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

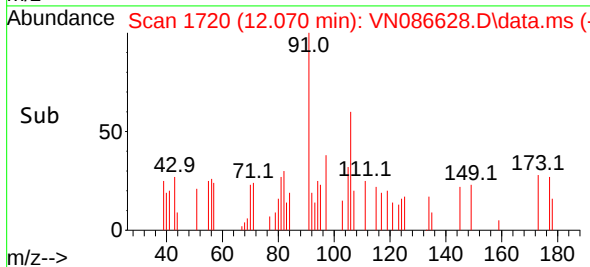
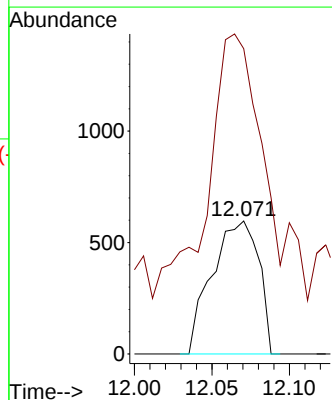
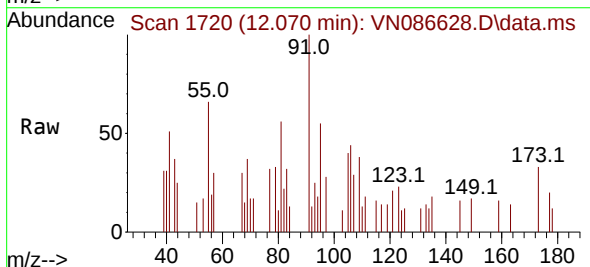
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

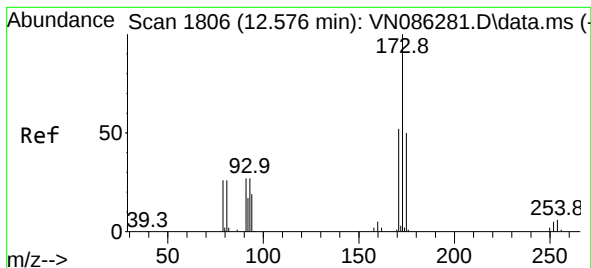
Tgt Ion:117 Resp: 342961
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 32.2 26.4 39.6



#68
m/p-Xylenes
Concen: 0.241 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion:106 Resp: 1249
Ion Ratio Lower Upper
106 100
91 240.5 166.5 249.7





#71

Bromoform

Concen: 0.257 ug/l

RT: 12.559 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN086628.D

Acq: 14 May 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0148

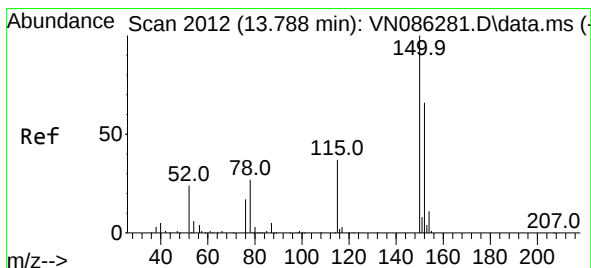
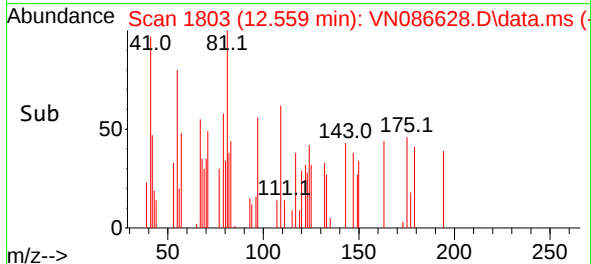
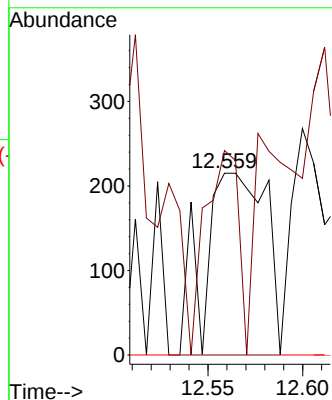
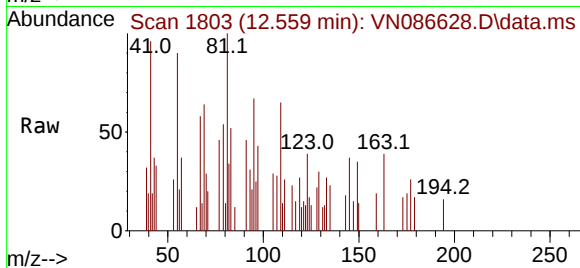
Tgt Ion:173 Resp: 488

Ion Ratio Lower Upper

173 100

175 60.0 24.6 73.6

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086628.D

Acq: 14 May 2025 15:45

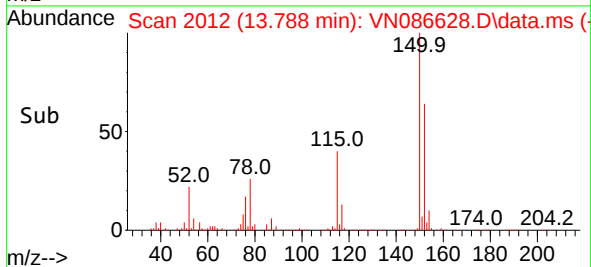
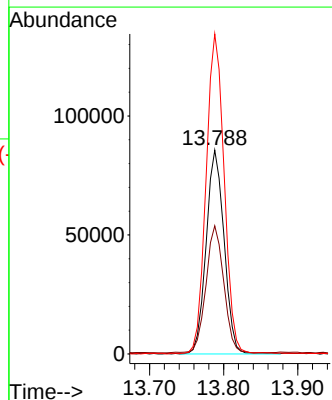
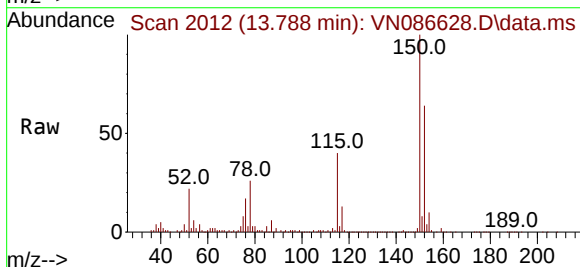
Tgt Ion:152 Resp: 144287

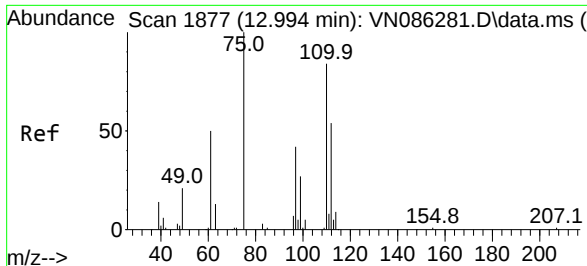
Ion Ratio Lower Upper

152 100

115 61.8 31.9 95.9

150 158.7 0.0 352.0

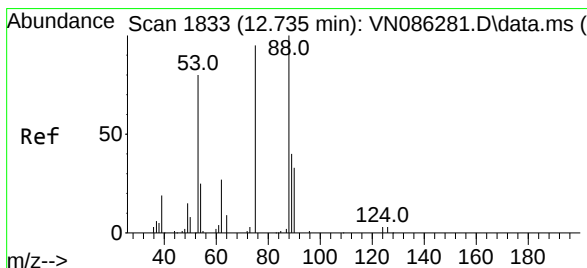
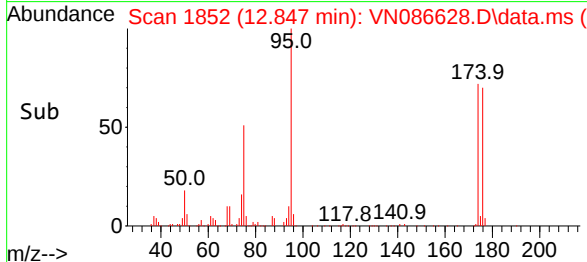
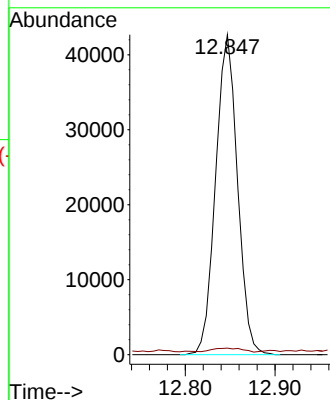
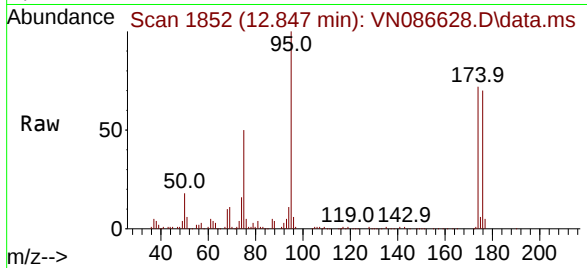




#76
1,2,3-Trichloropropane
Concen: 21.175 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

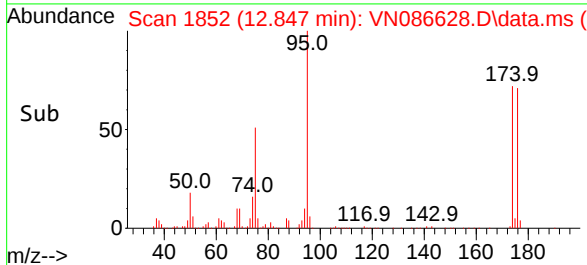
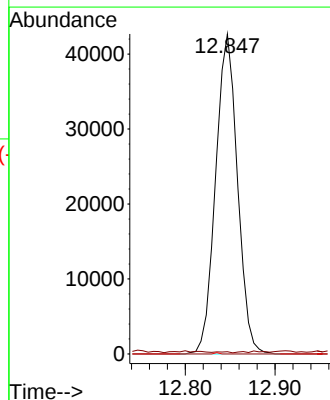
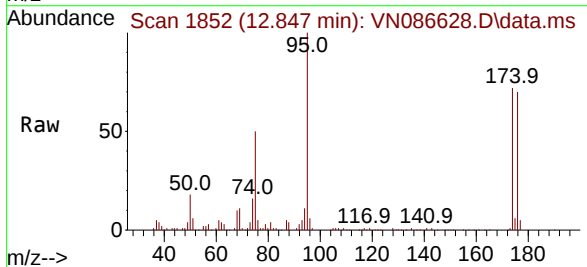
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

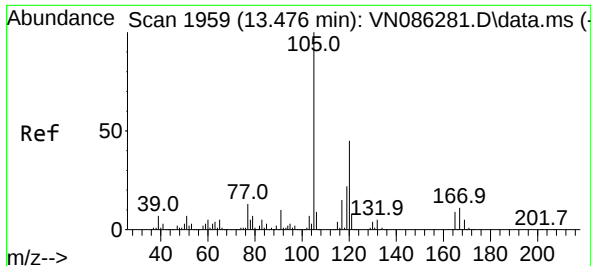
Tgt Ion: 75 Resp: 72101
Ion Ratio Lower Upper
75 100
77 1.7 98.8 296.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.855 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

Tgt Ion: 75 Resp: 72101
Ion Ratio Lower Upper
75 100
53 0.2 79.2 118.8#
89 0.1 35.7 53.5#

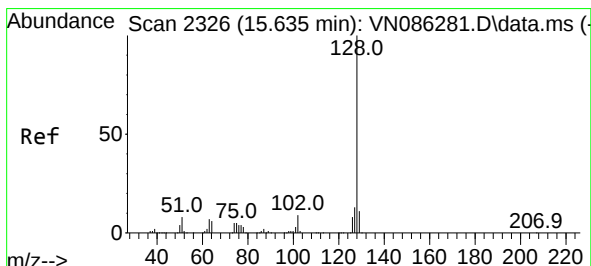
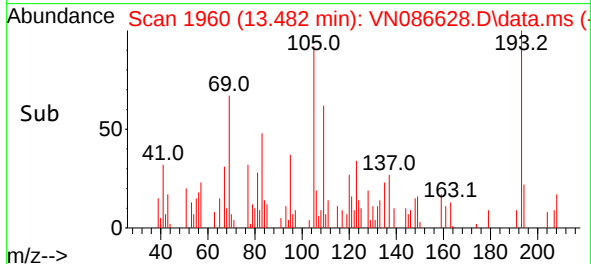
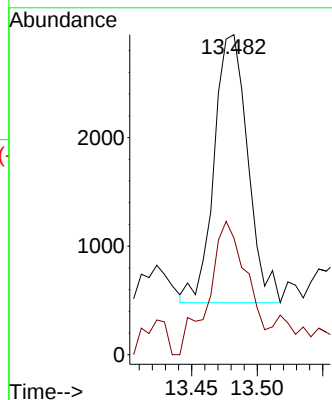
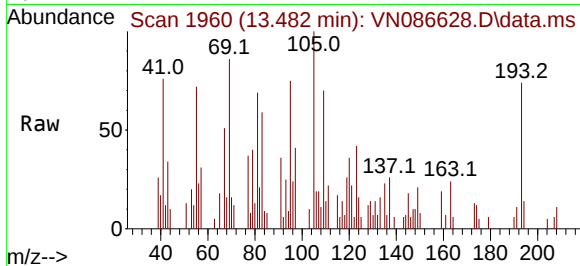




#84
1,2,4-Trimethylbenzene
Concen: 0.447 ug/l
RT: 13.482 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

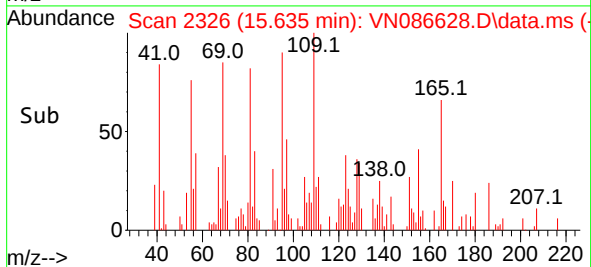
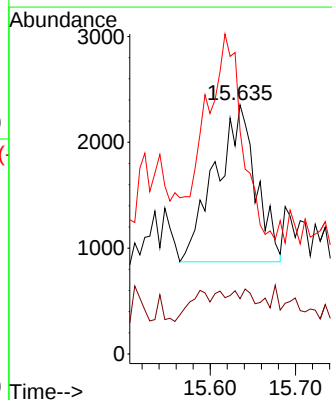
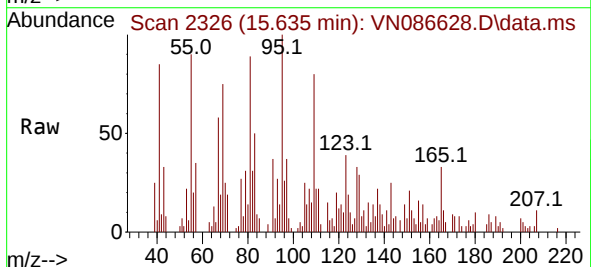
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0148

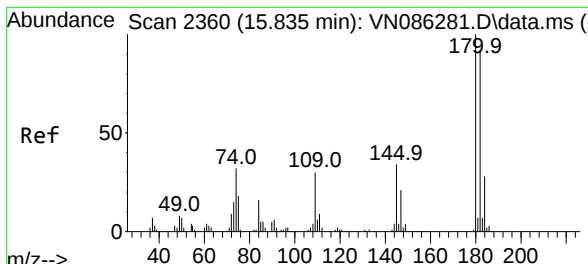
Tgt Ion:105 Resp: 4393
Ion Ratio Lower Upper
105 100
120 59.0 22.4 67.3



#95
Naphthalene
Concen: 0.600 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086628.D
Acq: 14 May 2025 15:45

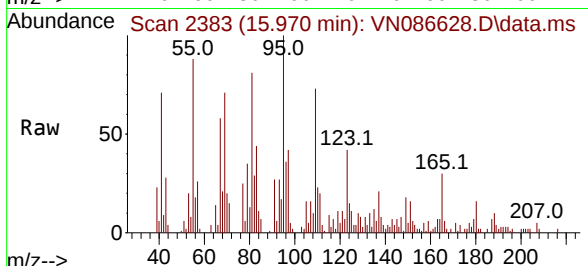
Tgt Ion:128 Resp: 4853
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 113.7 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.429 ug/l
 RT: 15.970 min Scan# 21
 Delta R.T. 0.135 min
 Lab File: VN086628.D
 Acq: 14 May 2025 15:45

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0148



Tgt Ion:	180	Resp:	928
Ion Ratio	Lower	Upper	
180	100		
182	75.6	47.3	142.0
145	36.5	17.2	51.5

