

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072624\
 Data File : VN083059.D
 Acq On : 26 Jul 2024 18:13
 Operator : JC\MD
 Sample : P3352-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

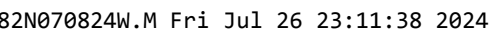
Quant Time: Jul 26 23:11:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

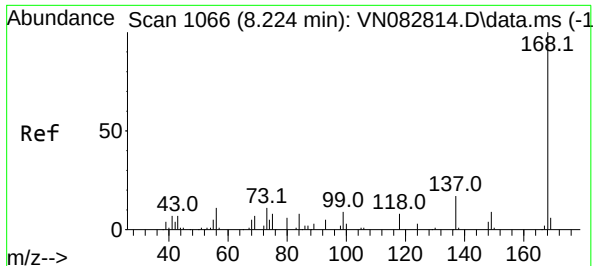
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	136148	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	284183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	121059	63.431	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 126.860%#	
35) Dibromofluoromethane	8.171	113	99702	54.675	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.360%	
50) Toluene-d8	10.571	98	371108	55.100	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.200%	
62) 4-Bromofluorobenzene	12.853	95	119290	49.307	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 98.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	690	0.545	ug/l #	64
6) Chloroethane	3.100	64	359	0.299	ug/l #	41
11) Tert butyl alcohol	5.524	59	66	0.206	ug/l #	71
16) Acetone	4.436	43	40956	60.952	ug/l	98
17) Carbon Disulfide	4.718	76	958	0.231	ug/l #	75
18) Methyl Acetate	5.041	43	1710	0.962	ug/l #	56
20) Methylene Chloride	5.271	84	8299	5.114	ug/l #	63
25) 2-Butanone	7.500	43	4293	4.231	ug/l	93
31) Cyclohexane	8.224	56	4055	1.625	ug/l #	7
36) 1,1-Dichloropropene	8.224	75	13932	5.541	ug/l #	49
37) Ethyl Acetate	7.565	43	2925	1.143	ug/l #	78
38) Carbon Tetrachloride	8.224	117	14627	4.832	ug/l #	19
43) Isopropyl Acetate	8.694	43	123588	24.068	ug/l #	89
45) 1,2-Dichloropropane	9.747	63	1401	0.776	ug/l #	44
48) Methyl methacrylate	9.665	41	3938	1.962	ug/l #	52
49) 1,4-Dioxane	9.735	88	145	3.891	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	5863	2.310	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	764	0.255	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	36171	11.413	ug/l #	69
56) Ethyl methacrylate	10.976	69	2113	0.765	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4939	1.571	ug/l #	43
59) 2-Hexanone	11.170	43	91293	48.389	ug/l #	28
71) Bromoform	12.853	173	1522	0.791	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	68641	33.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68641	65.308	ug/l #	6

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

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Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration

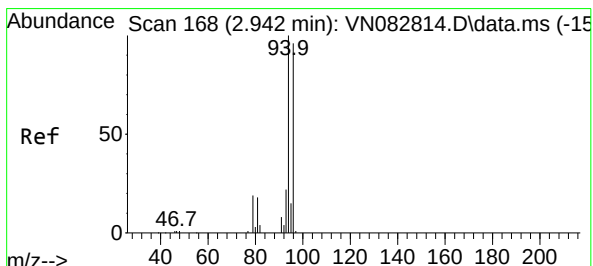
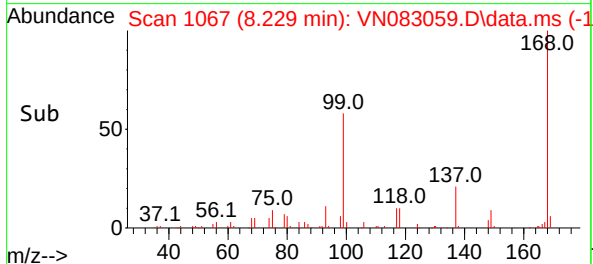
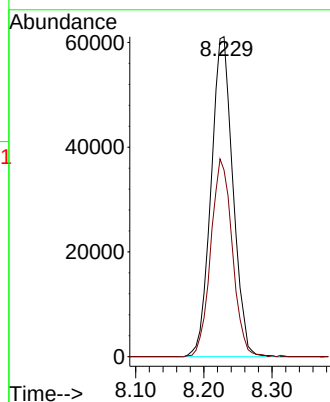
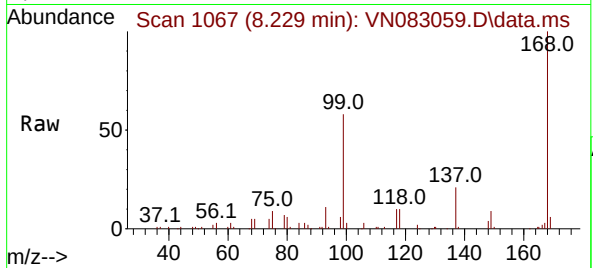




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

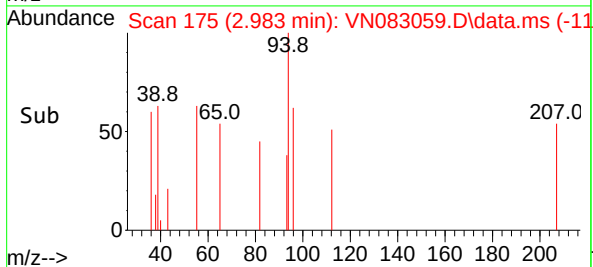
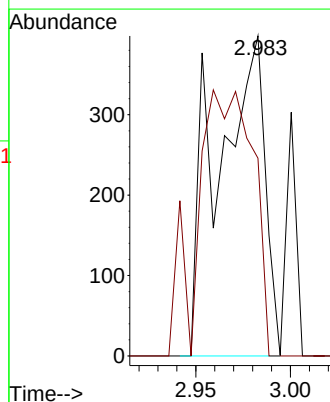
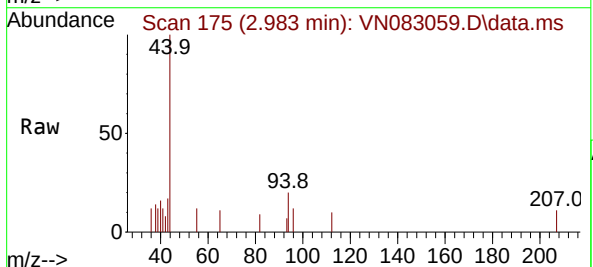
Instrument :
MSVOA_N
ClientSampleId :

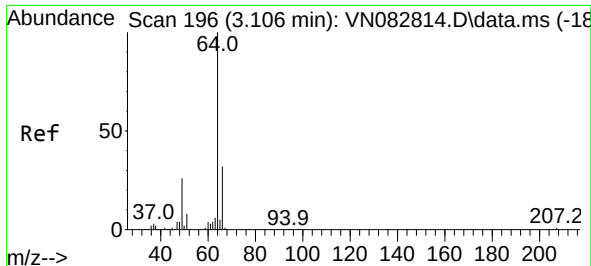
Tgt Ion:168 Resp: 136148
Ion Ratio Lower Upper
168 100
99 58.3 48.2 72.4



#5
Bromomethane
Concen: 0.545 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.036 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

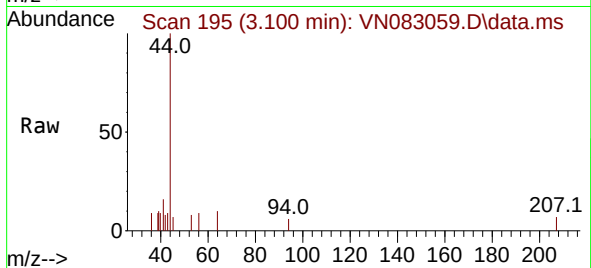
Tgt Ion: 94 Resp: 690
Ion Ratio Lower Upper
94 100
96 61.8 78.0 117.0#



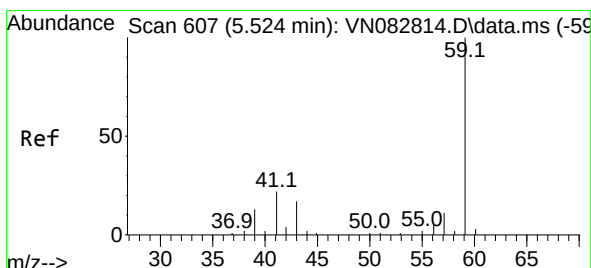
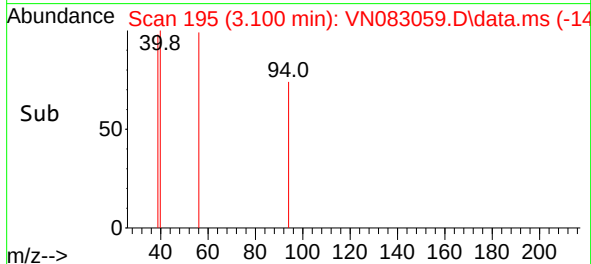
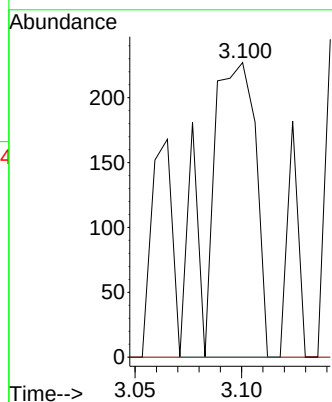


#6
Chloroethane
Concen: 0.299 ug/l
RT: 3.100 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

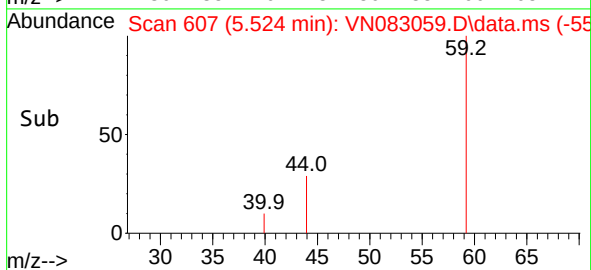
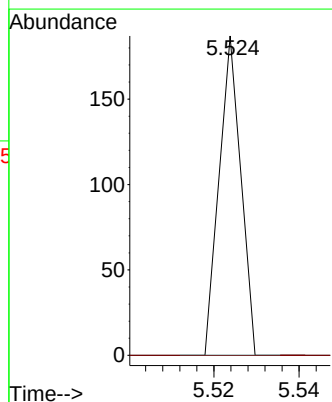
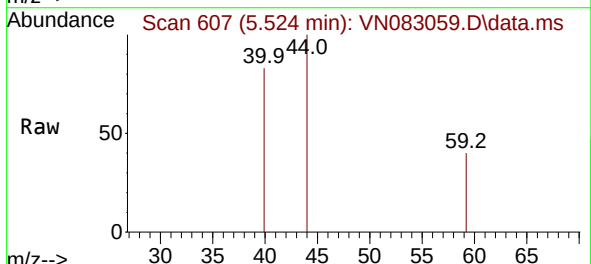


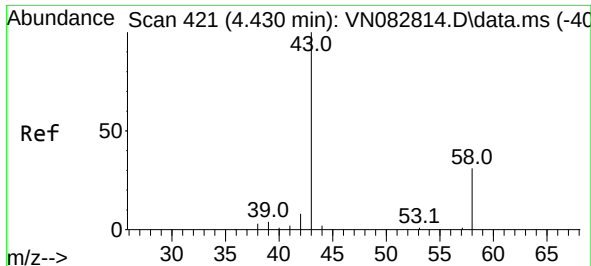
Tgt Ion: 64 Resp: 359
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

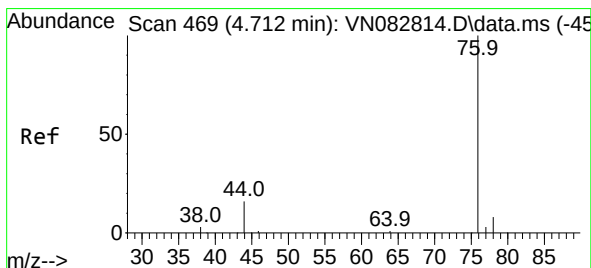
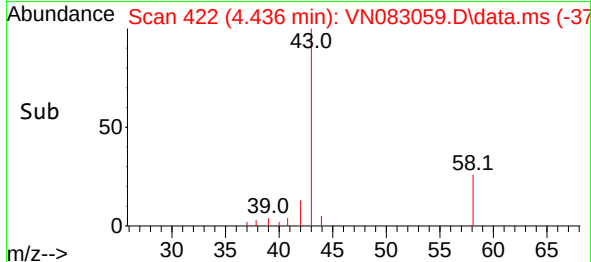
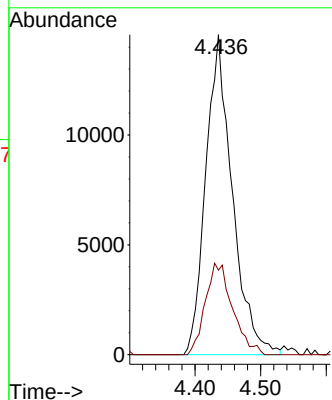
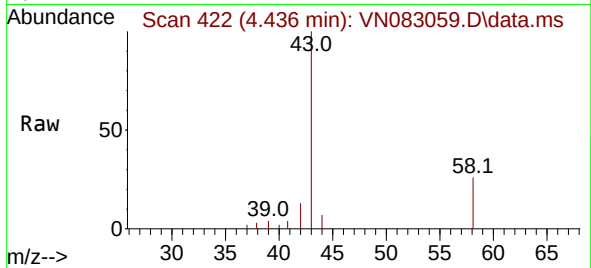




#16
Acetone
Concen: 60.952 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

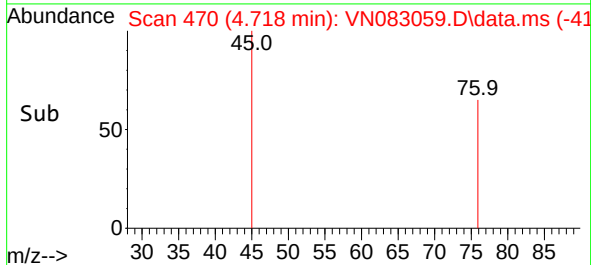
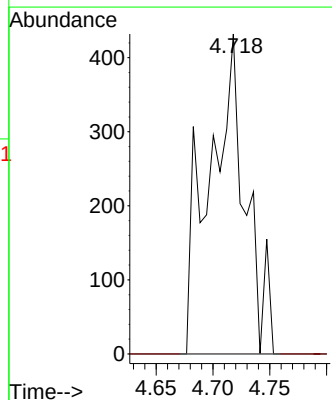
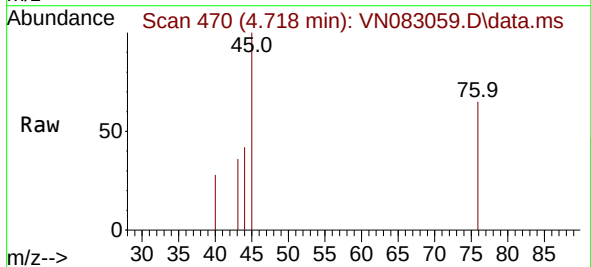
Instrument :
MSVOA_N
ClientSampleId :

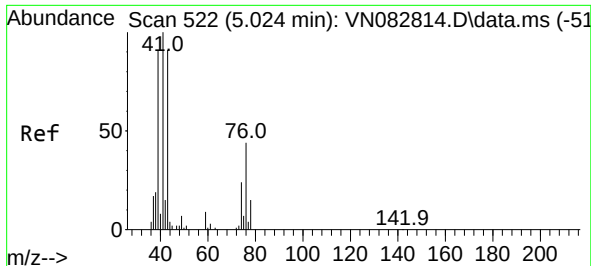
Tgt Ion: 43 Resp: 40956
Ion Ratio Lower Upper
43 100
58 26.4 21.8 32.6



#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

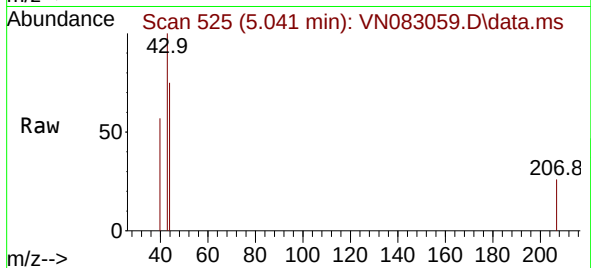
Tgt Ion: 76 Resp: 958
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



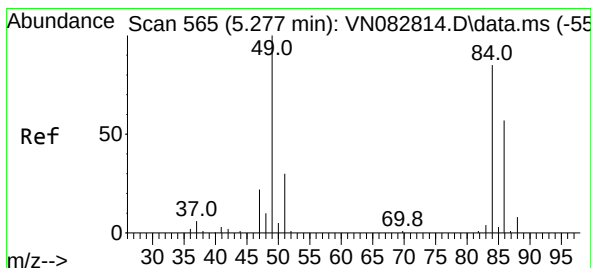
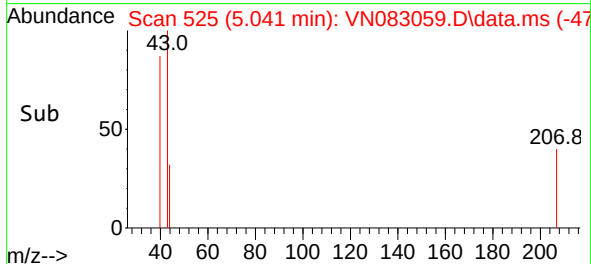
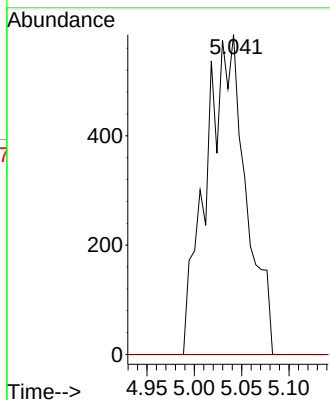


#18
Methyl Acetate
Concen: 0.962 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

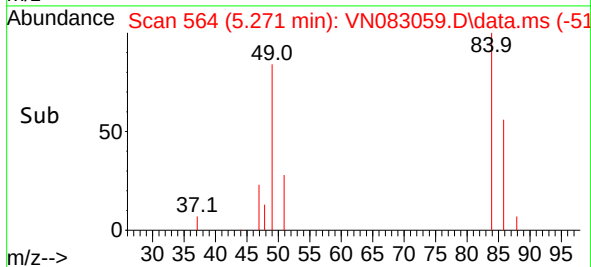
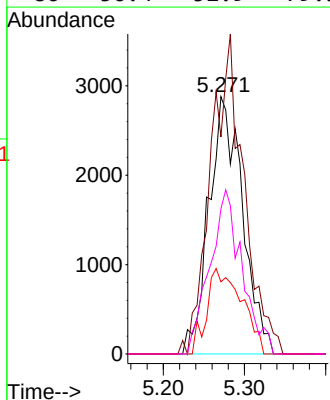
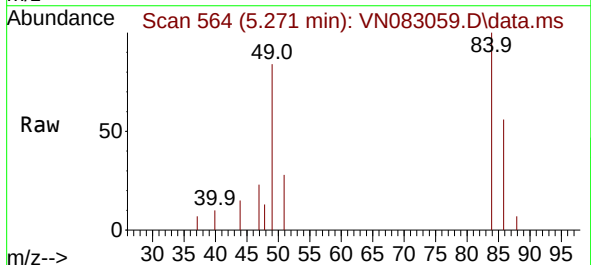


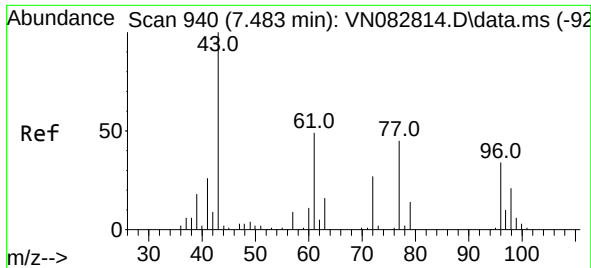
Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



#20
Methylene Chloride
Concen: 5.114 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 84 Resp: 8299
Ion Ratio Lower Upper
84 100
49 84.4 119.6 179.4#
51 28.0 34.8 52.2#
86 56.4 52.9 79.3

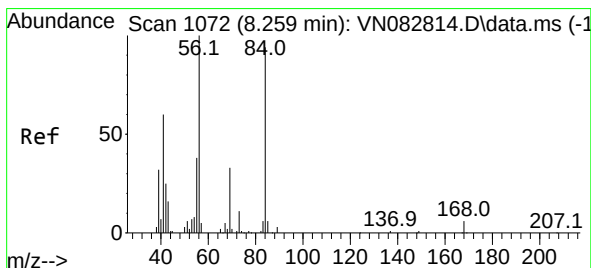
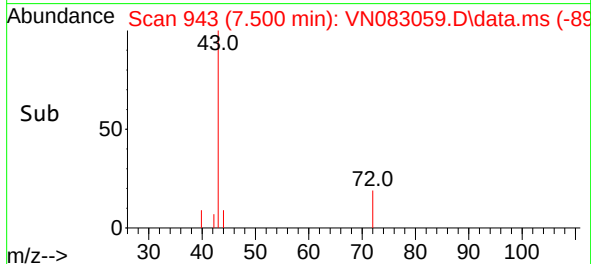
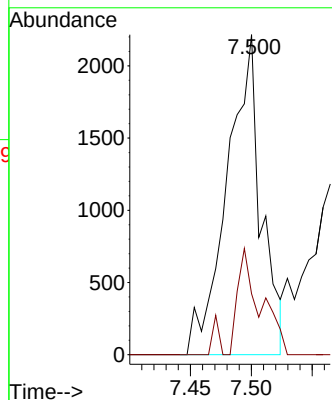
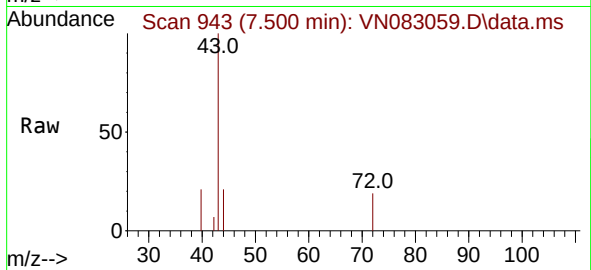




#25
2-Butanone
Concen: 4.231 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

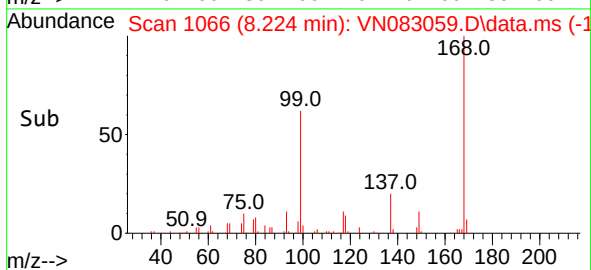
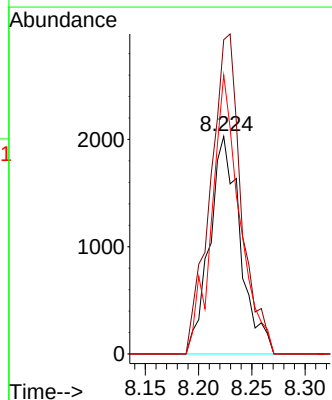
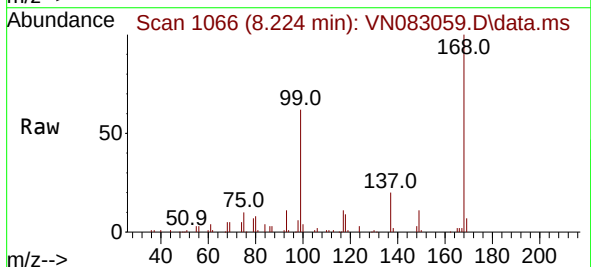
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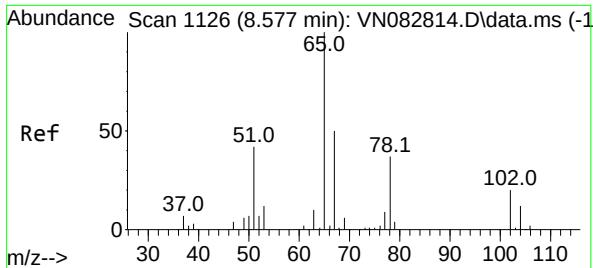
Tgt Ion: 43 Resp: 4293
Ion Ratio Lower Upper
43 100
72 19.1 18.2 27.2



#31
Cyclohexane
Concen: 1.625 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 56 Resp: 4055
Ion Ratio Lower Upper
56 100
69 144.5 24.5 36.7#
84 128.2 66.0 99.0#

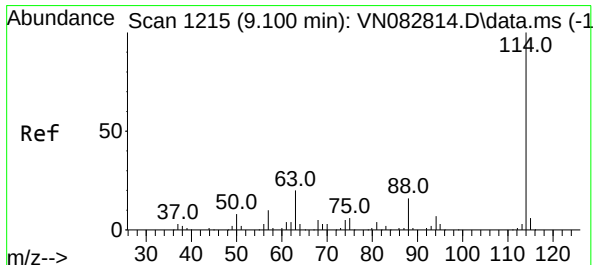
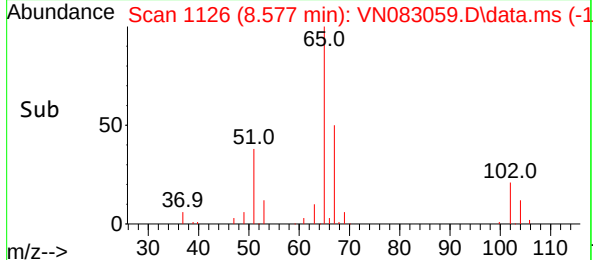
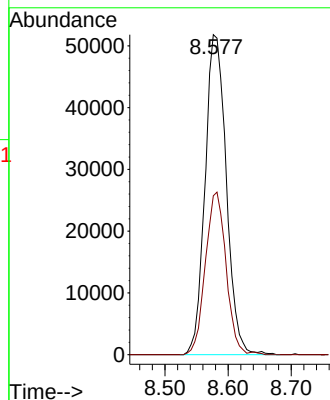
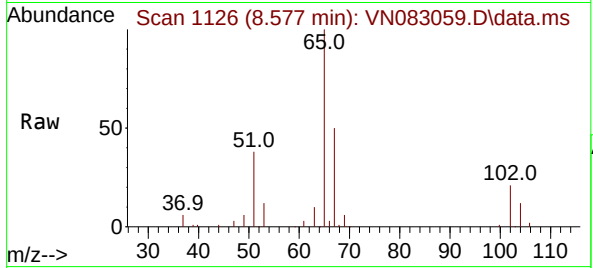




#33
 1,2-Dichloroethane-d4
 Concen: 63.431 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.005 min
 Lab File: VN083059.D
 Acq: 26 Jul 2024 18:13

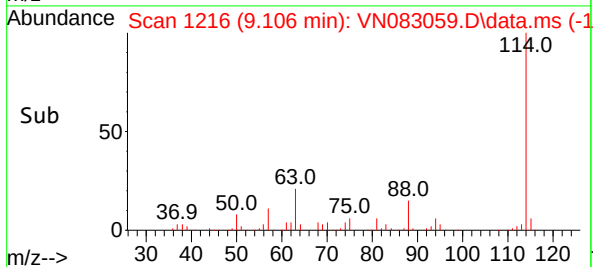
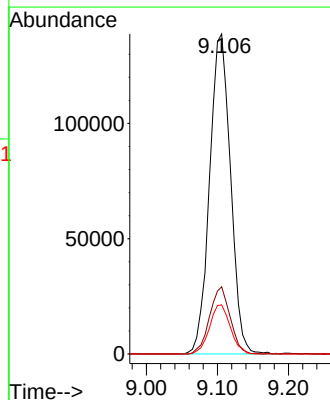
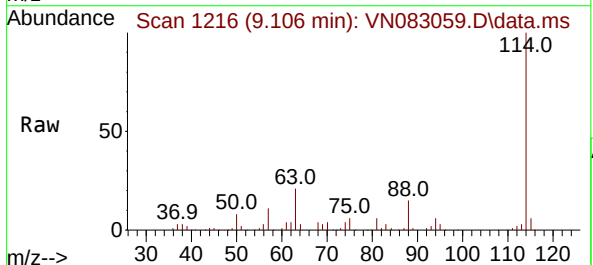
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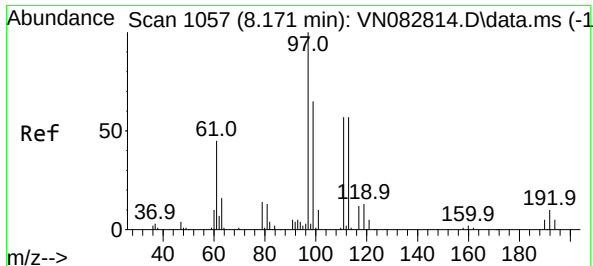
Tgt Ion: 65 Resp: 121059
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. -0.000 min
 Lab File: VN083059.D
 Acq: 26 Jul 2024 18:13

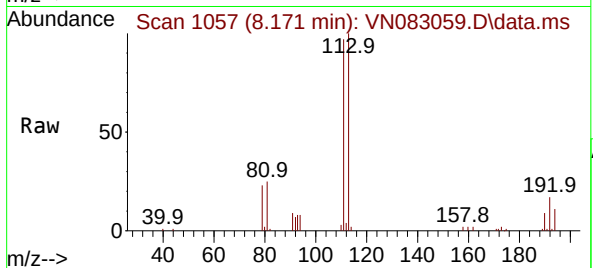
Tgt Ion: 114 Resp: 284183
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.6
 88 15.4 0.0 31.4



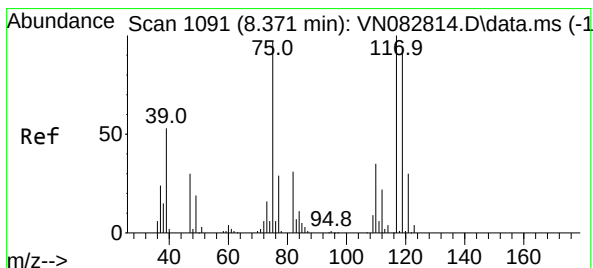
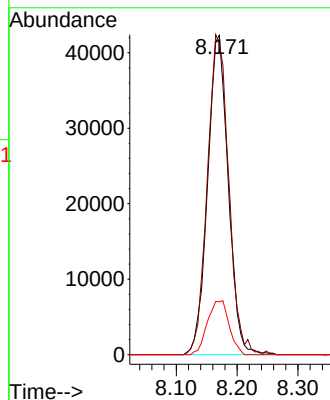
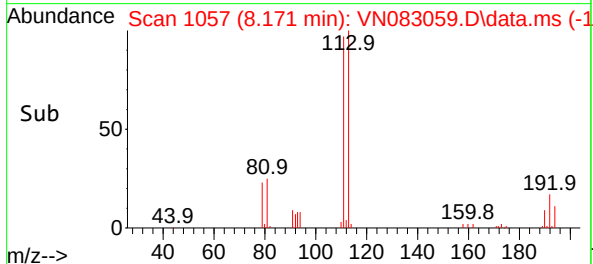


#35
Dibromofluoromethane
Concen: 54.675 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

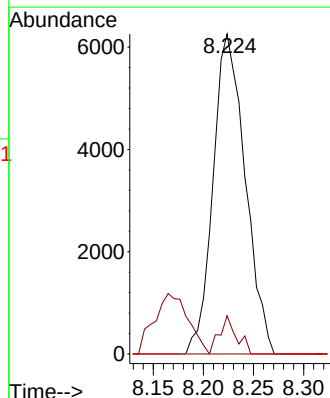
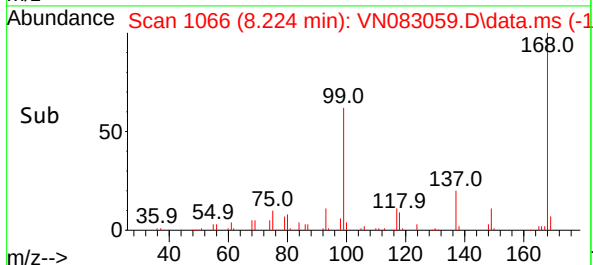
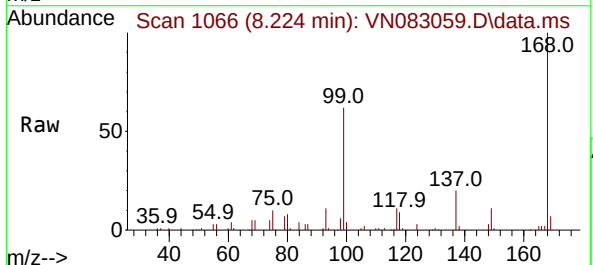


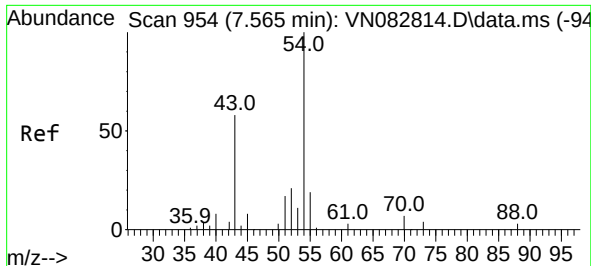
Tgt Ion:113 Resp: 99702
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 17.8 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.541 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

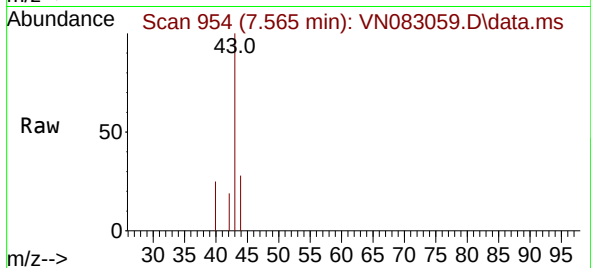
Tgt Ion: 75 Resp: 13932
Ion Ratio Lower Upper
75 100
110 6.3 16.3 48.9#
77 0.0 24.6 37.0#



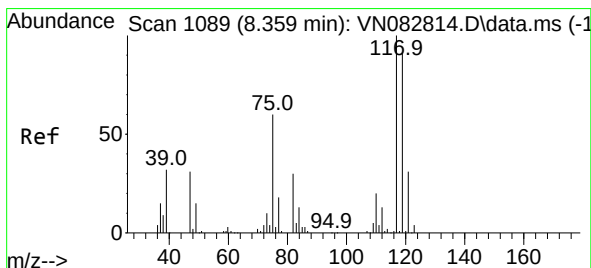
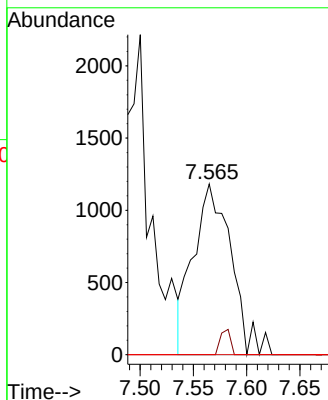
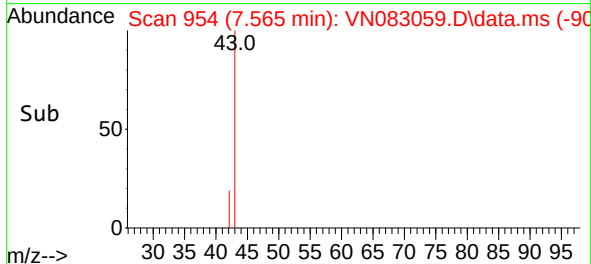


#37
Ethyl Acetate
Concen: 1.143 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

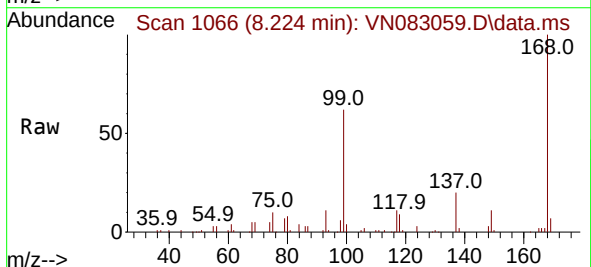
Instrument :
MSVOA_N
ClientSampleId :



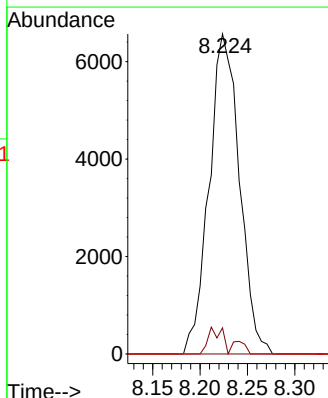
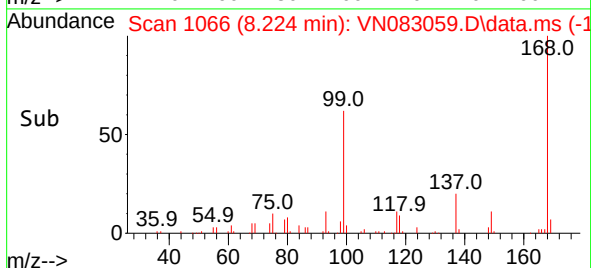
Tgt Ion: 43 Resp: 2925
Ion Ratio Lower Upper
43 100
61 3.9 9.3 13.9#
70 0.0 7.0 10.6#

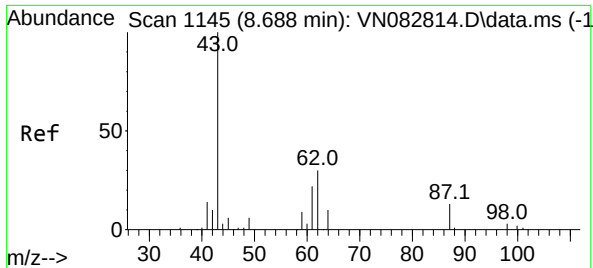


#38
Carbon Tetrachloride
Concen: 4.832 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13



Tgt Ion: 117 Resp: 14627
Ion Ratio Lower Upper
117 100
119 8.2 74.9 112.3#
121 0.0 24.3 36.5#

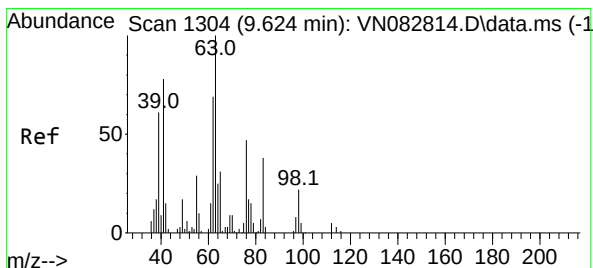
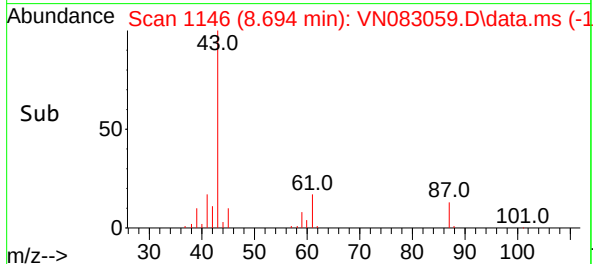
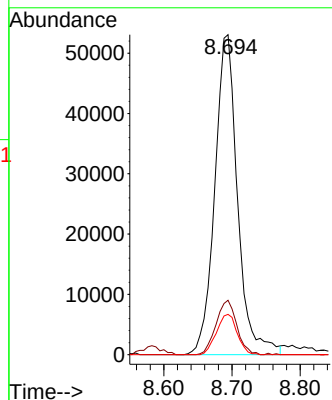
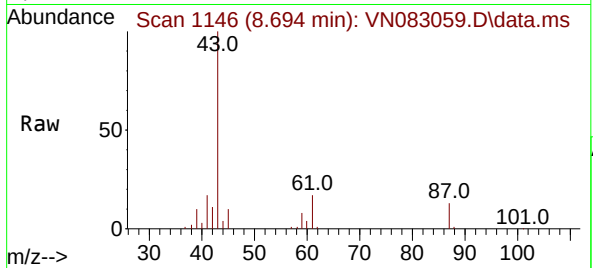




#43
Isopropyl Acetate
Concen: 24.068 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

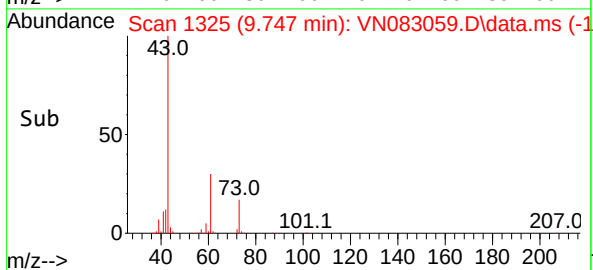
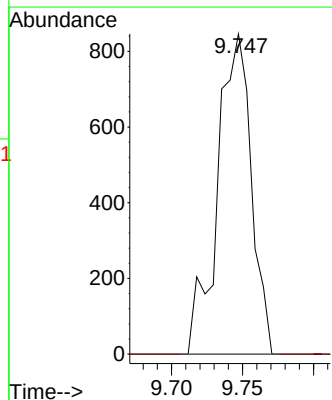
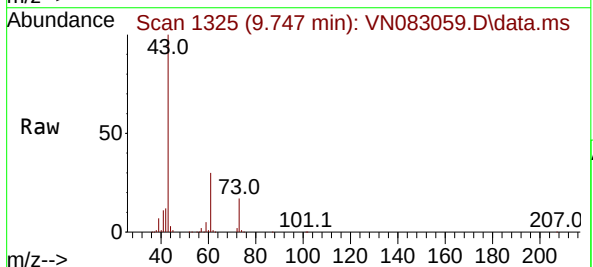
Instrument :
MSVOA_N
ClientSampleId :

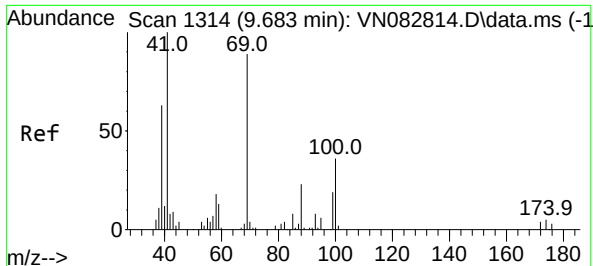
Tgt Ion: 43 Resp: 123588
Ion Ratio Lower Upper
43 100
61 15.5 17.8 26.6#
87 11.4 8.2 12.2



#45
1,2-Dichloropropane
Concen: 0.776 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 63 Resp: 1401
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

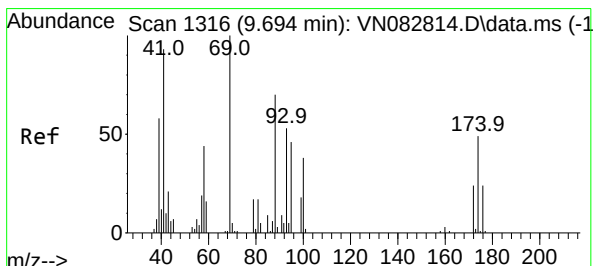
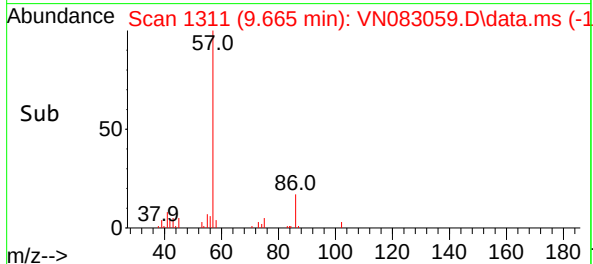
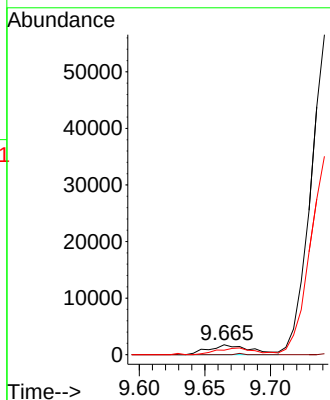
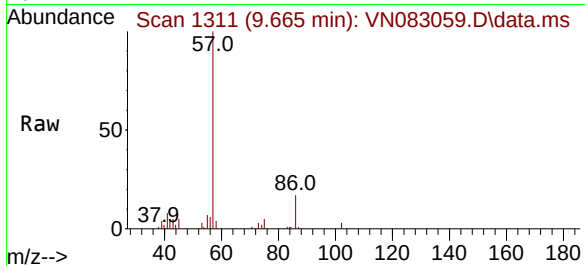




#48
Methyl methacrylate
Concen: 1.962 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

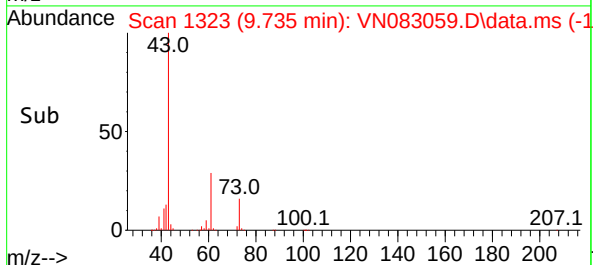
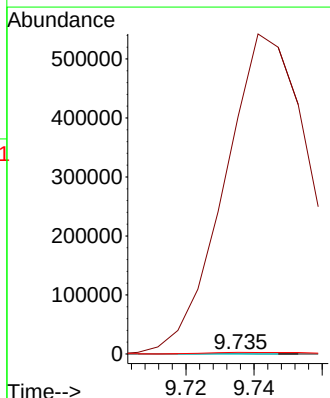
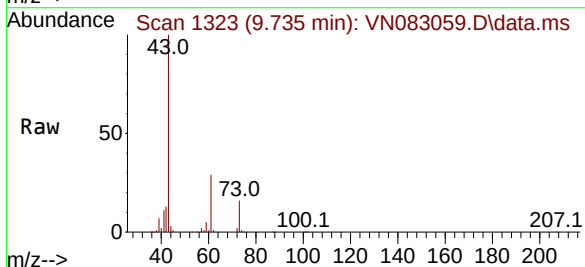
Instrument :
MSVOA_N
ClientSampleId :

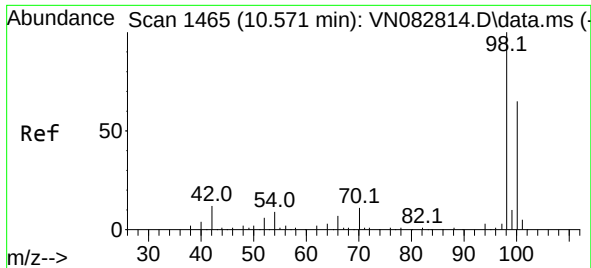
Tgt Ion: 41 Resp: 3938
Ion Ratio Lower Upper
41 100
69 2.0 56.3 84.5#
39 56.7 50.3 75.5



#49
1,4-Dioxane
Concen: 3.891 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 669420.7 27.8 41.8#
58 4020.0 59.4 89.0#

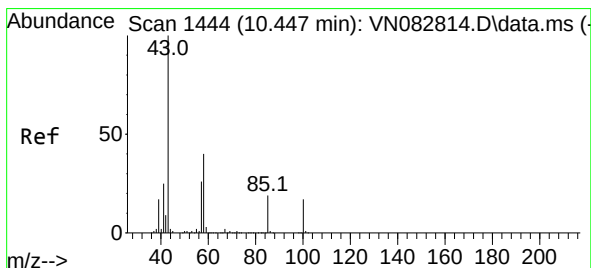
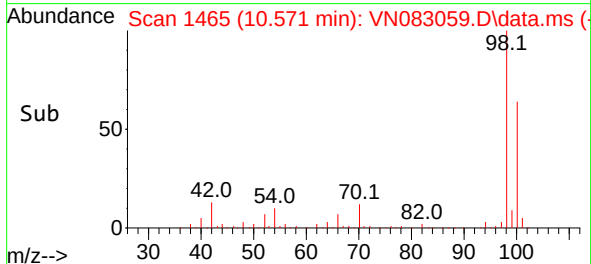
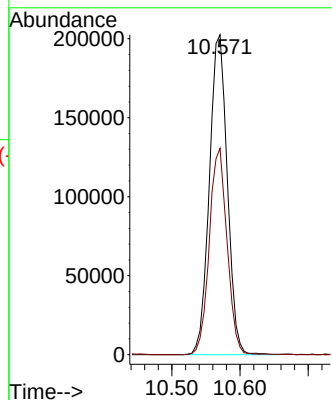
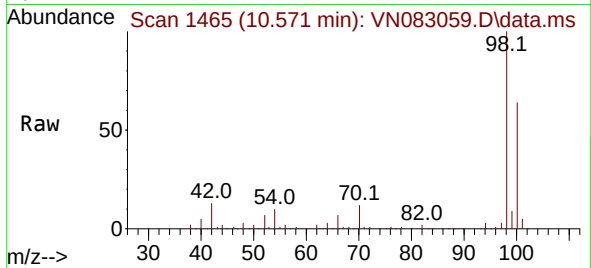




#50
Toluene-d8
Concen: 55.100 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

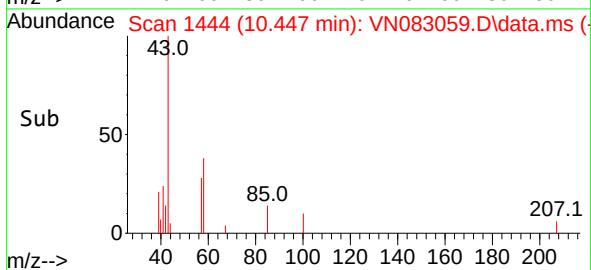
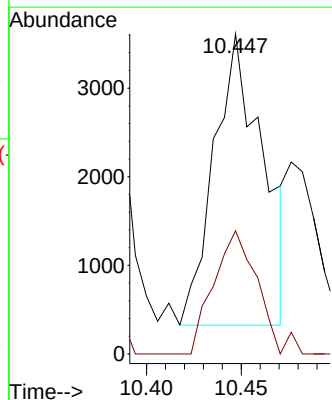
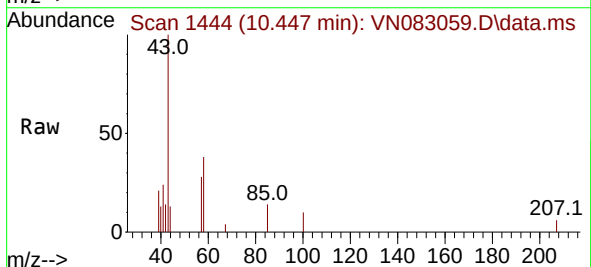
Instrument :
MSVOA_N
ClientSampleId :

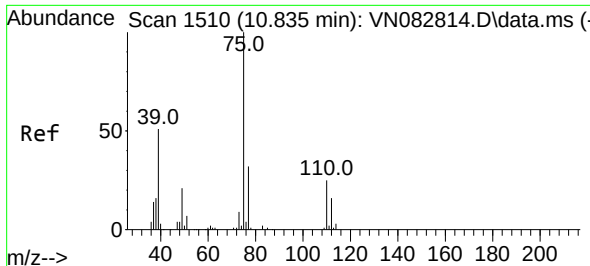
Tgt Ion: 98 Resp: 371108
Ion Ratio Lower Upper
98 100
100 64.0 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 2.310 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

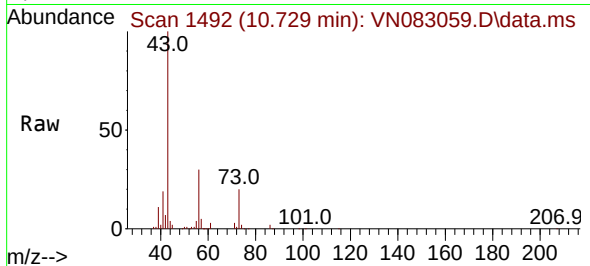
Tgt Ion: 43 Resp: 5863
Ion Ratio Lower Upper
43 100
58 38.5 28.2 42.4



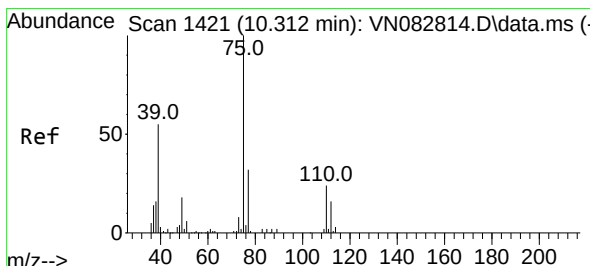
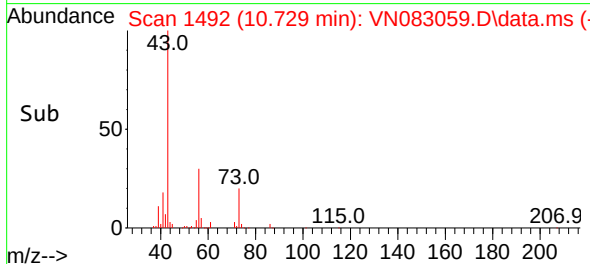
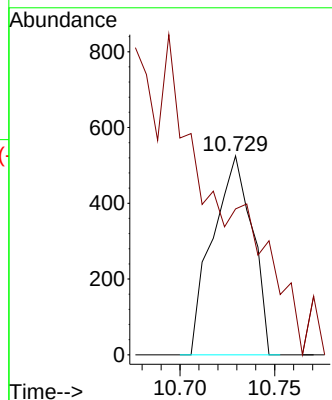


#53
t-1,3-Dichloropropene
Concen: 0.255 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Instrument :
MSVOA_N
ClientSampleId :

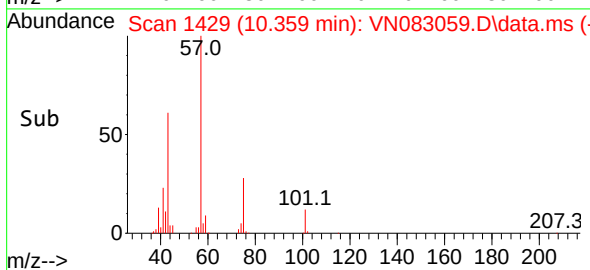
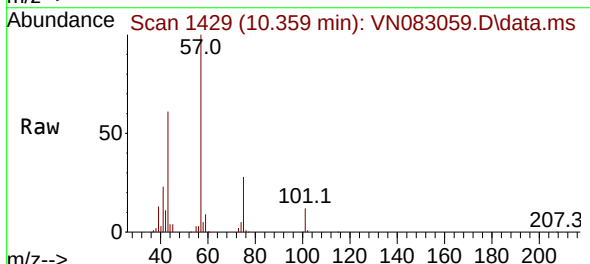
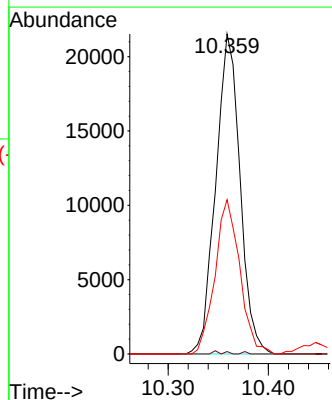


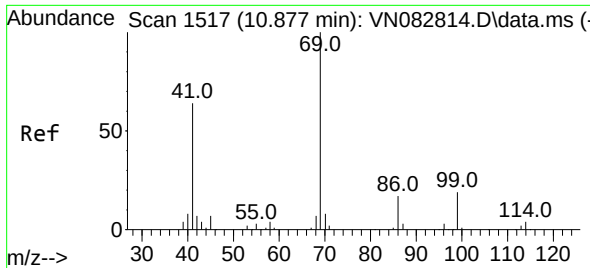
Tgt Ion: 75 Resp: 764
Ion Ratio Lower Upper
75 100
77 43.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 11.413 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 75 Resp: 36171
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 48.2 50.5 75.7#

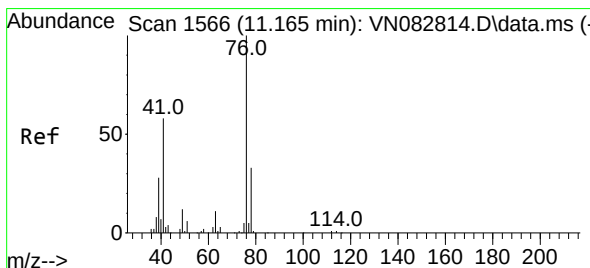
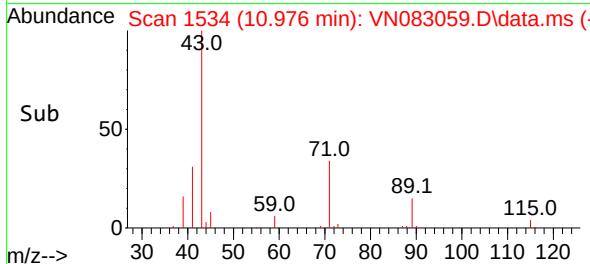
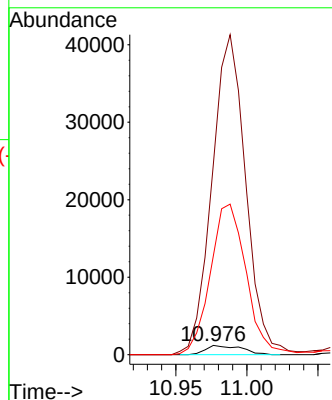
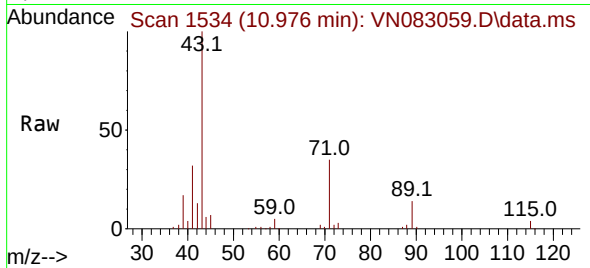




#56
Ethyl methacrylate
Concen: 0.765 ug/l
RT: 10.976 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

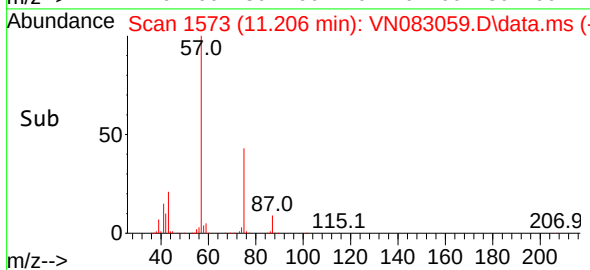
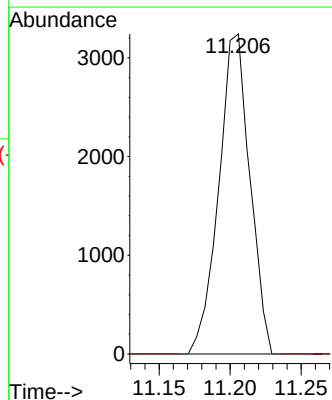
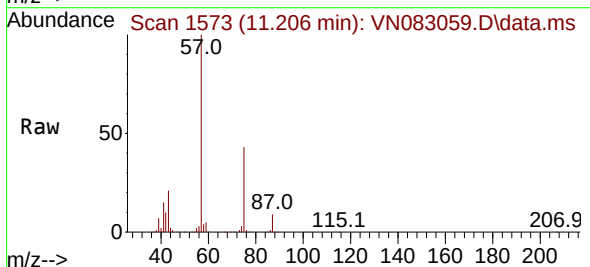
Instrument :
MSVOA_N
ClientSampleId :

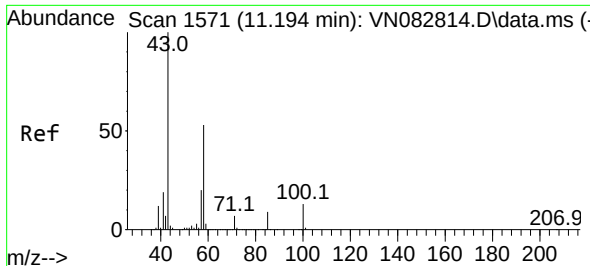
Tgt Ion: 69 Resp: 2113
Ion Ratio Lower Upper
69 100
41 3230.4 63.4 95.2#
39 1610.7 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.571 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 76 Resp: 4939
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

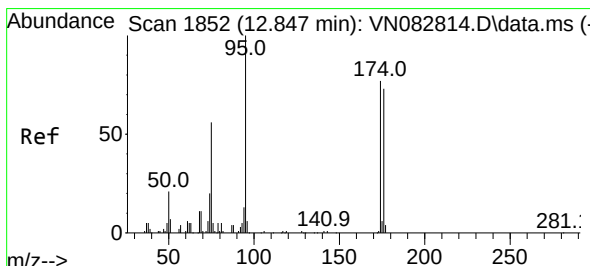
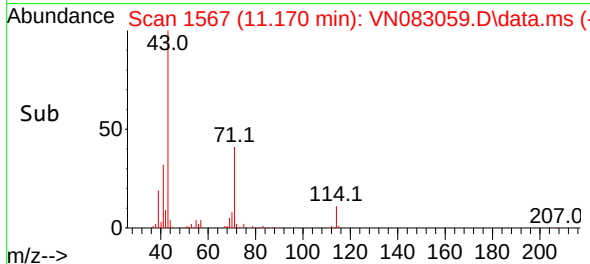
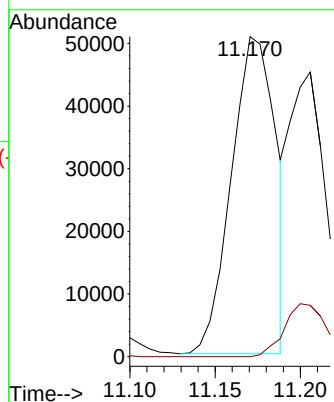
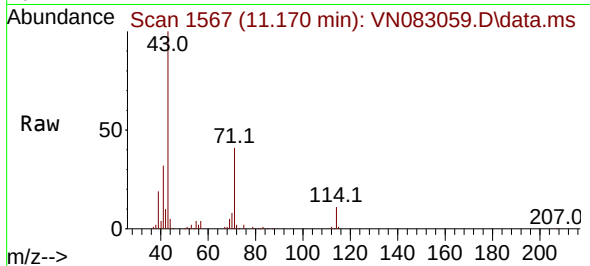




#59
2-Hexanone
Concen: 48.389 ug/l
RT: 11.170 min Scan# 111
Delta R.T. -0.030 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

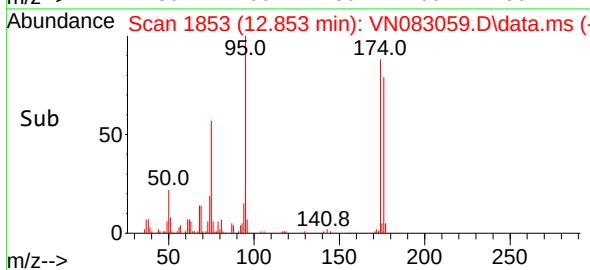
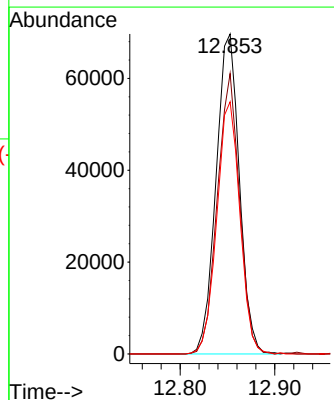
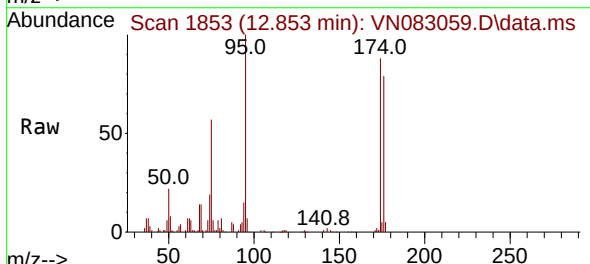
Instrument :
MSVOA_N
ClientSampleId :

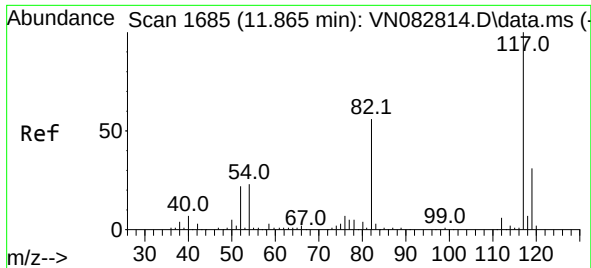
Tgt Ion: 43 Resp: 91293
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 49.307 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion: 95 Resp: 119290
Ion Ratio Lower Upper
95 100
174 83.7 0.0 159.2
176 78.2 0.0 147.6

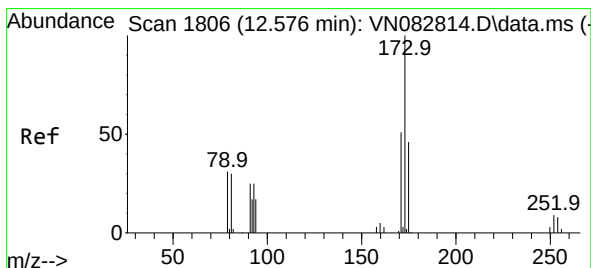
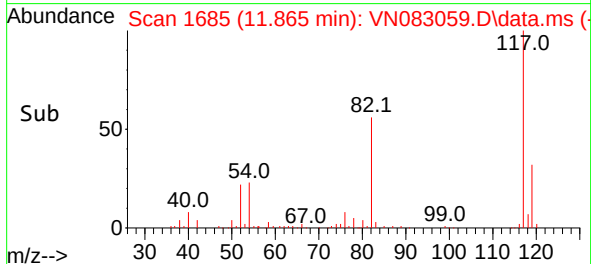
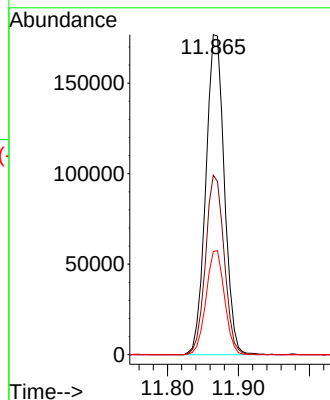
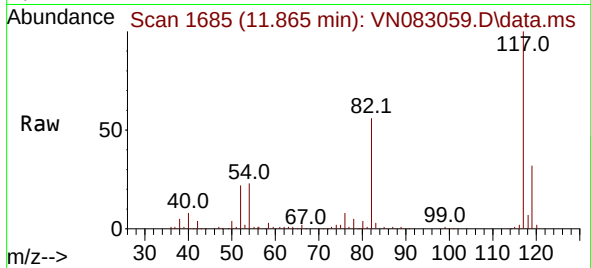




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

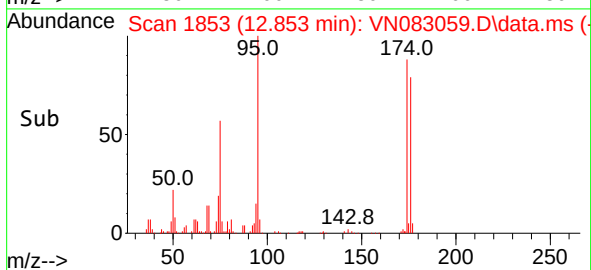
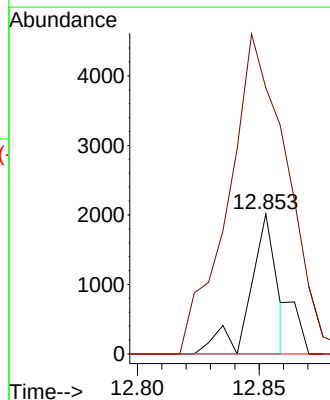
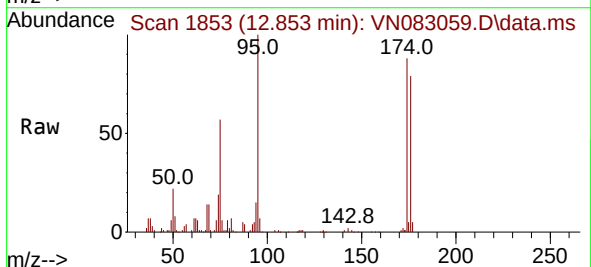
Instrument :
MSVOA_N
ClientSampleId :

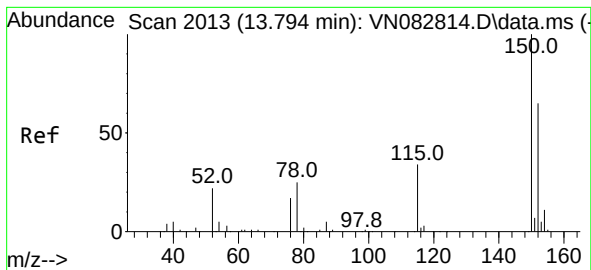
Tgt Ion:117 Resp: 320821
Ion Ratio Lower Upper
117 100
82 56.1 47.5 71.3
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.791 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN083059.D
Acq: 26 Jul 2024 18:13

Tgt Ion:173 Resp: 1522
Ion Ratio Lower Upper
173 100
175 425.6 24.0 72.0#
254 0.0 0.0 0.0

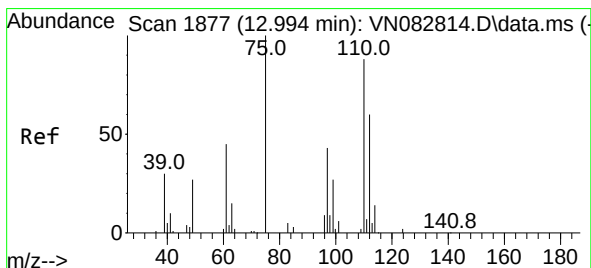
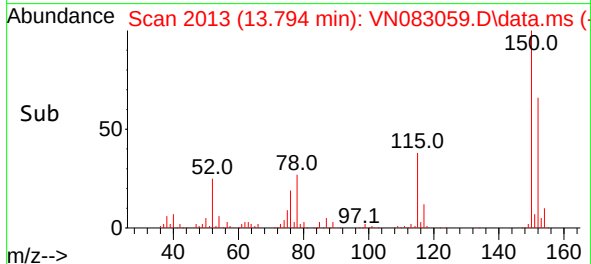
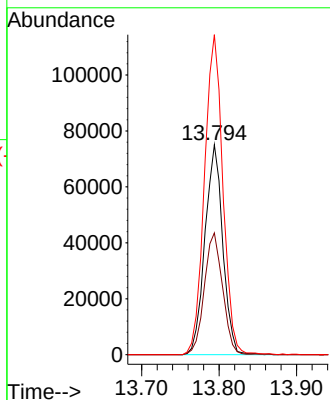
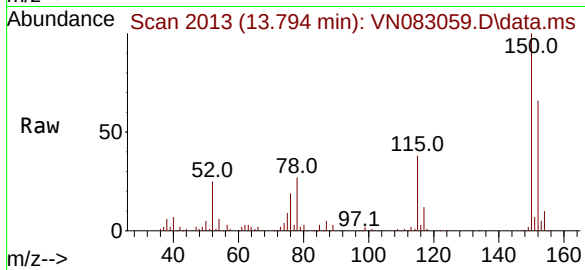




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN083059.D
 Acq: 26 Jul 2024 18:13

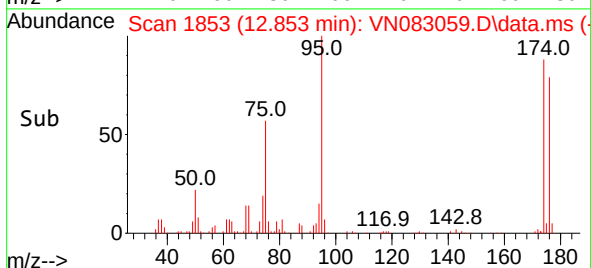
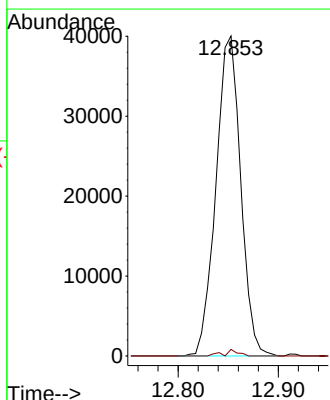
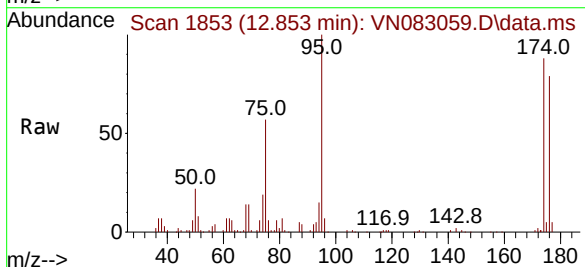
Instrument :
 MSVOA_N
 ClientSampleId :

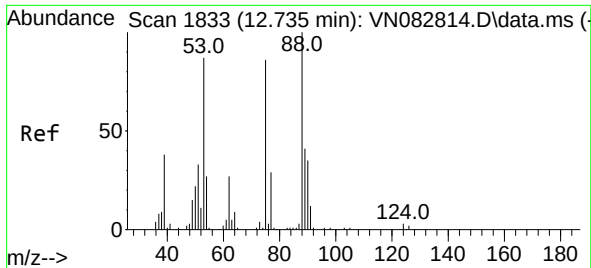
Tgt Ion:152 Resp: 119897
 Ion Ratio Lower Upper
 152 100
 115 59.3 30.6 91.6
 150 157.3 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 33.207 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN083059.D
 Acq: 26 Jul 2024 18:13

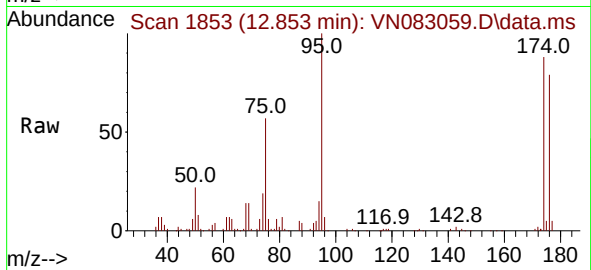
Tgt Ion: 75 Resp: 68641
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.308 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083059.D
 Acq: 26 Jul 2024 18:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 68641
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.4 132.6#
 89 0.0 36.3 54.5#

