

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041824\
 Data File : VN081794.D
 Acq On : 18 Apr 2024 17:54
 Operator : JC\MD
 Sample : P2121-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 02:10:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

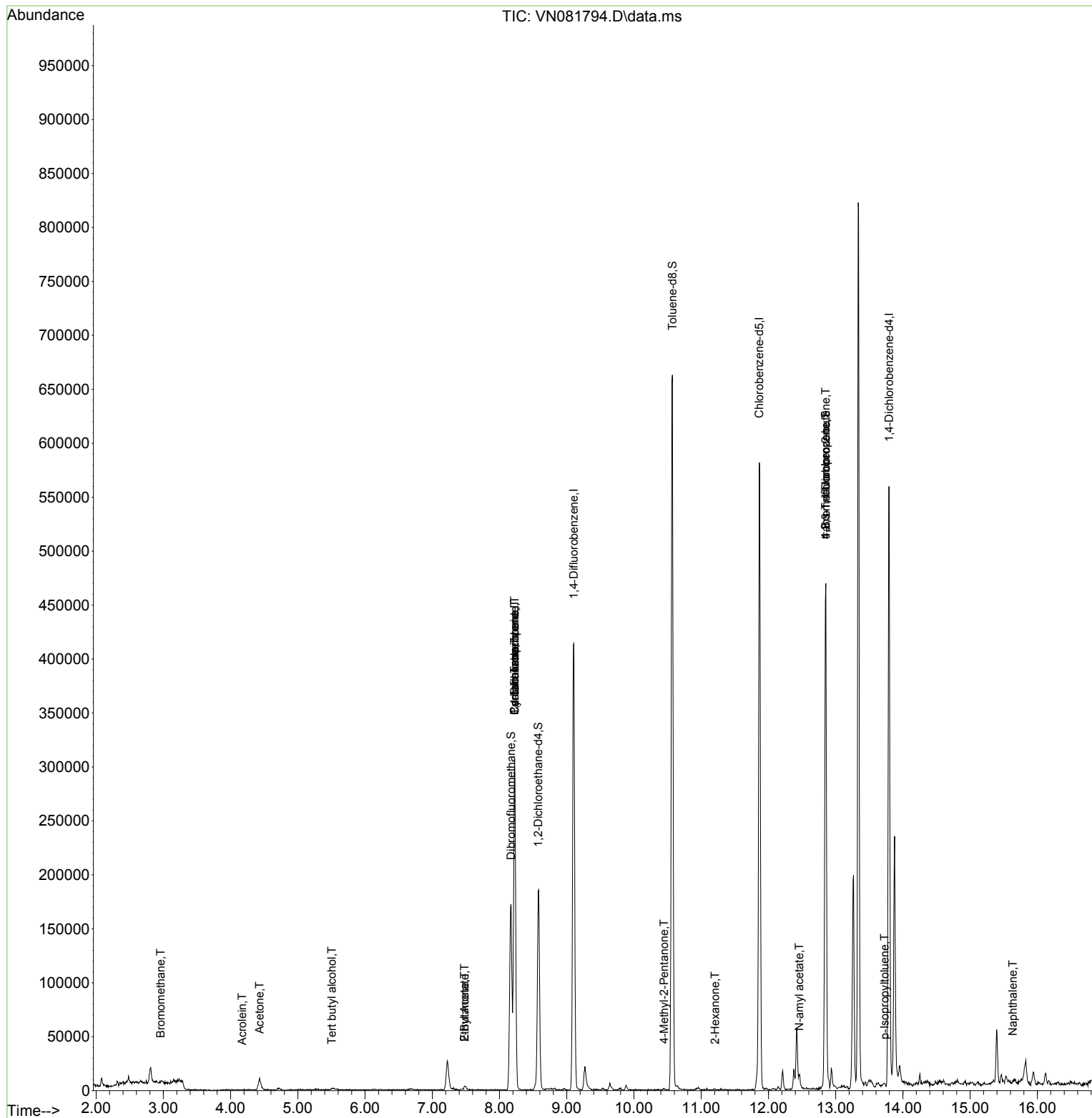
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	214703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	340247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154810	51.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.480%	
35) Dibromofluoromethane	8.171	113	121161	49.497	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.000%	
50) Toluene-d8	10.571	98	455585	50.521	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.040%	
62) 4-Bromofluorobenzene	12.853	95	158647	51.482	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.960%	
Target Compounds						Qvalue
3) Chloromethane	2.354	50	690	Below Cal		90
5) Bromomethane	2.959	94	465	0.231 ug/l	#	63
6) Chloroethane	3.142	64	216	Below Cal	#	44
11) Tert butyl alcohol	5.506	59	1669	4.050 ug/l	#	88
13) Acrolein	4.171	56	131	0.299 ug/l	#	15
16) Acetone	4.430	43	18550	22.060 ug/l		94
20) Methylene Chloride	5.271	84	165	Below Cal	#	79
25) 2-Butanone	7.483	43	5772	4.164 ug/l	#	83
31) Cyclohexane	8.224	56	5217	1.259 ug/l	#	23
36) 1,1-Dichloropropene	8.224	75	18214	5.341 ug/l	#	50
37) Ethyl Acetate	7.483	43	5772	2.060 ug/l	#	68
38) Carbon Tetrachloride	8.224	117	22423	5.651 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.447	43	877	0.302 ug/l	#	58
59) 2-Hexanone	11.206	43	471	0.224 ug/l	#	23
74) N-amyl acetate	12.459	43	8077	2.077 ug/l	#	40
76) 1,2,3-Trichloropropane	12.853	75	84883	31.340 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	84883	72.904 ug/l	#	13
86) p-Isopropyltoluene	13.729	119	1952	0.223 ug/l	#	78
95) Naphthalene	15.635	128	1944	0.234 ug/l	#	76

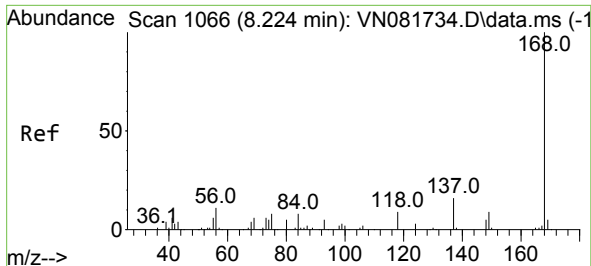
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2121-03
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :

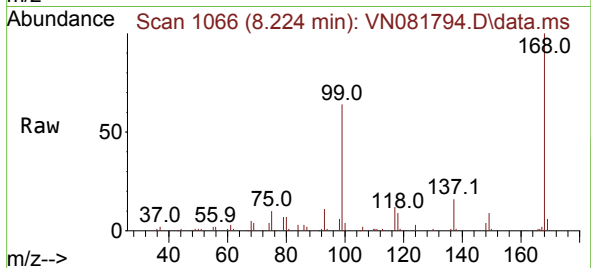
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration



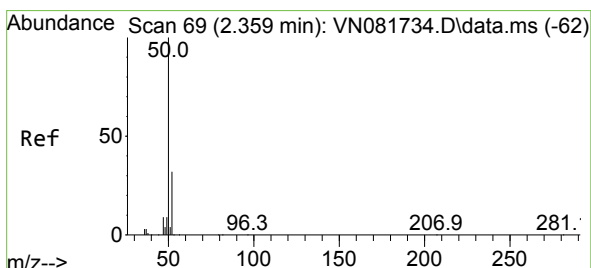
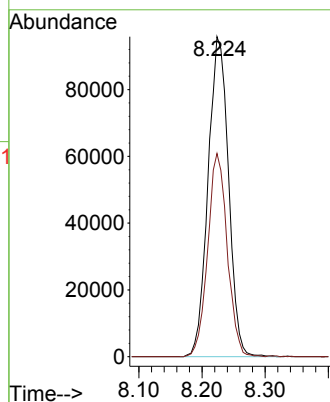
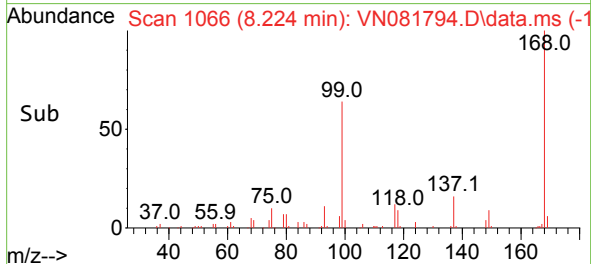


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

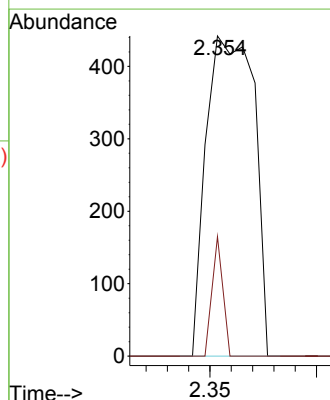
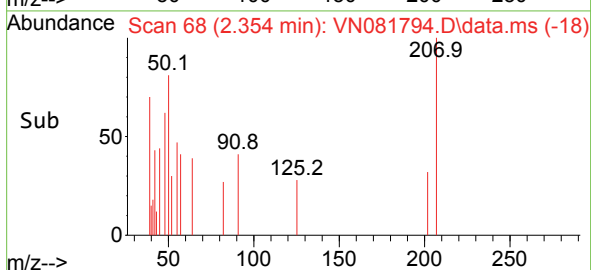
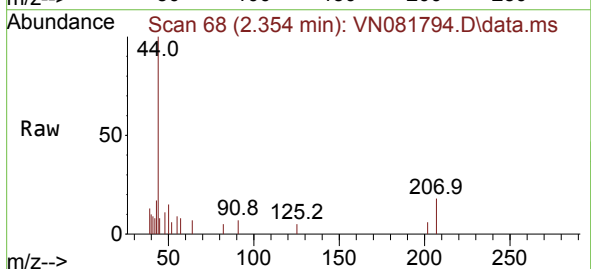


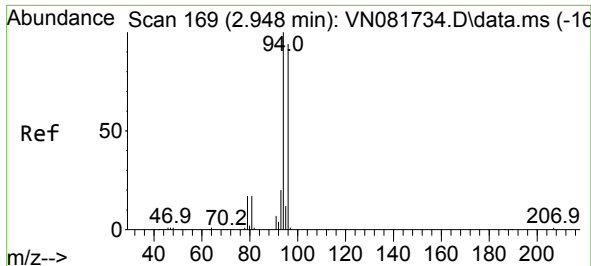
Tgt Ion:168 Resp: 214703
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Tgt Ion: 50 Resp: 690
Ion Ratio Lower Upper
50 100
52 37.3 25.5 38.3

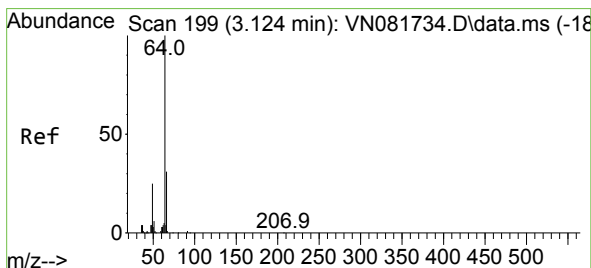
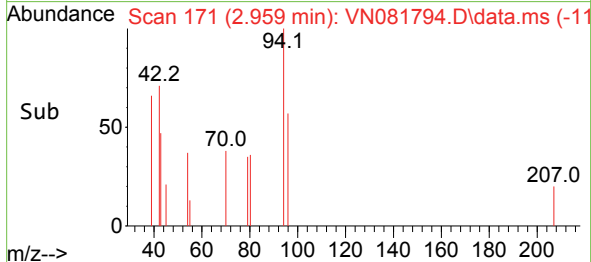
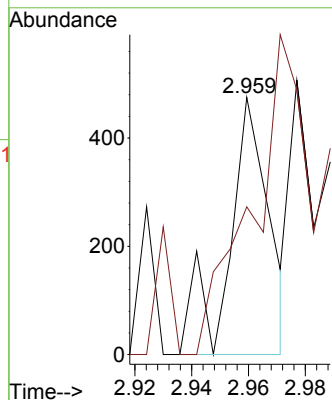
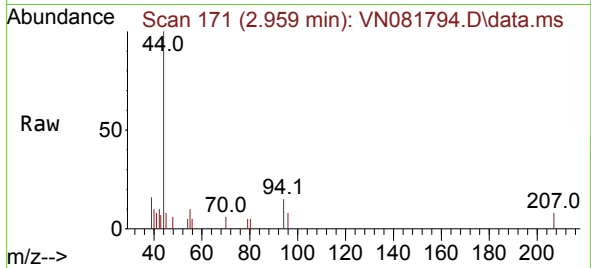




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

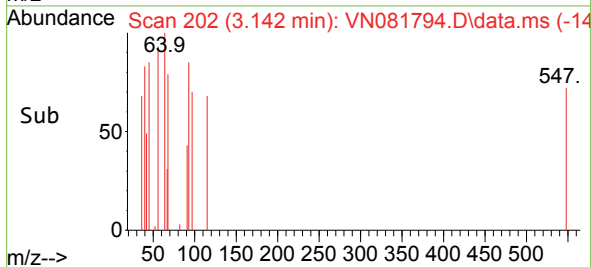
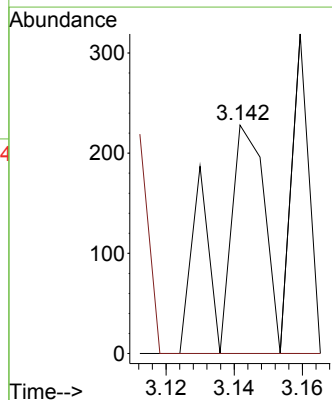
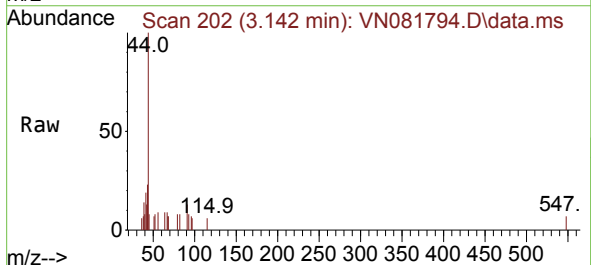
Instrument :
MSVOA_N
ClientSampleId :

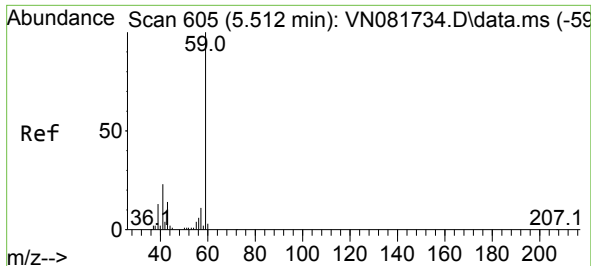
Tgt Ion: 94 Resp: 465
Ion Ratio Lower Upper
94 100
96 57.5 74.8 112.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

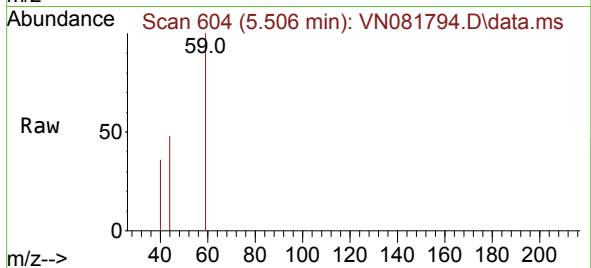
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



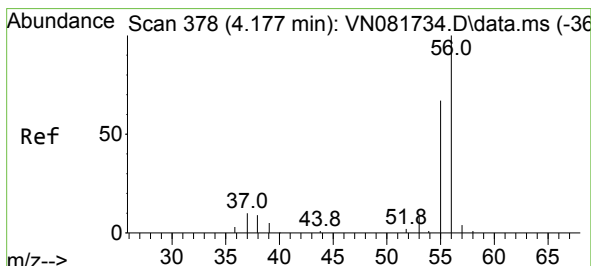
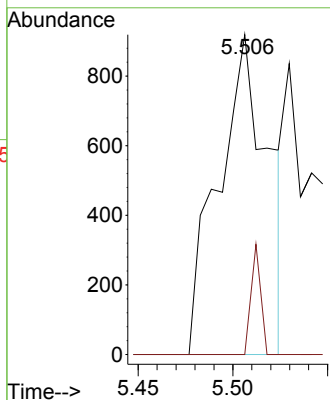
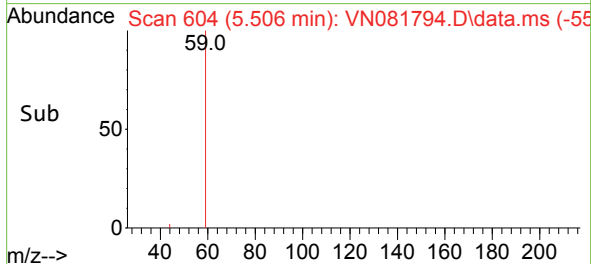


#11
Tert butyl alcohol
Concen: 4.050 ug/l
RT: 5.506 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

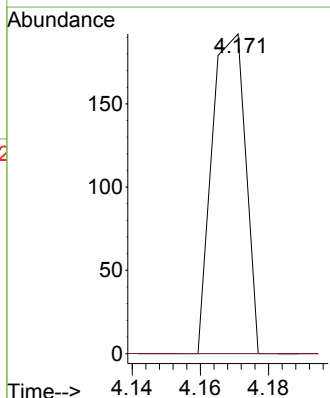
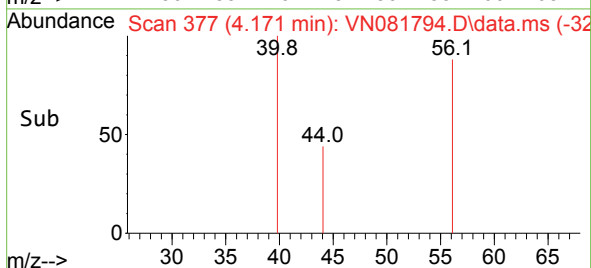
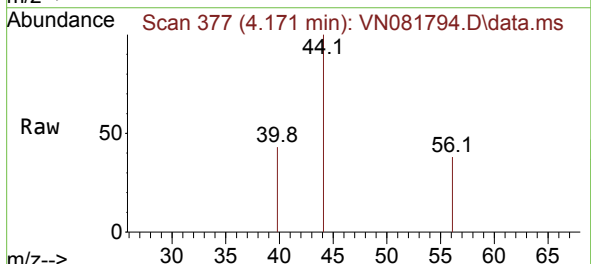


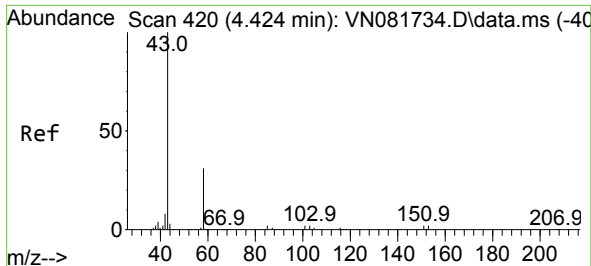
Tgt Ion: 59 Resp: 1669
Ion Ratio Lower Upper
59 100
57 6.7 8.9 13.3#



#13
Acrolein
Concen: 0.299 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

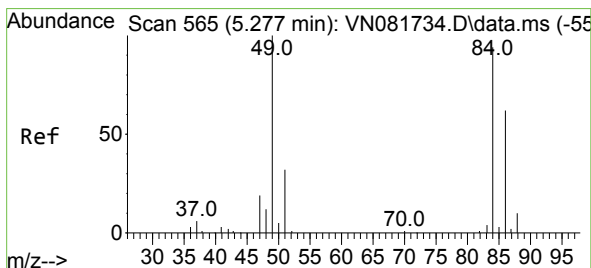
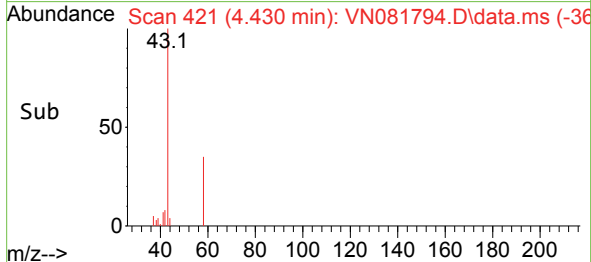
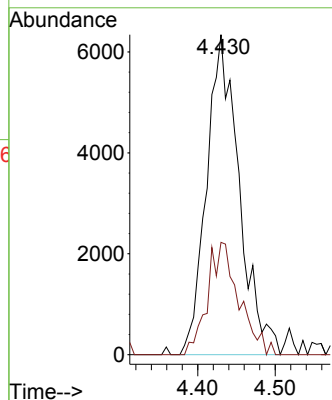
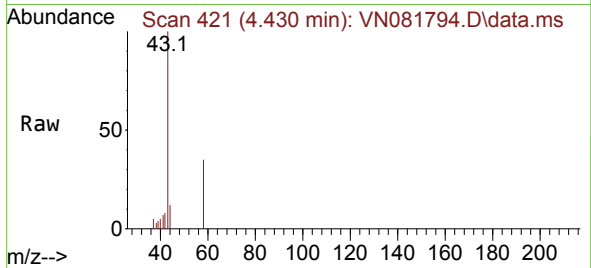




#16
Acetone
Concen: 22.060 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

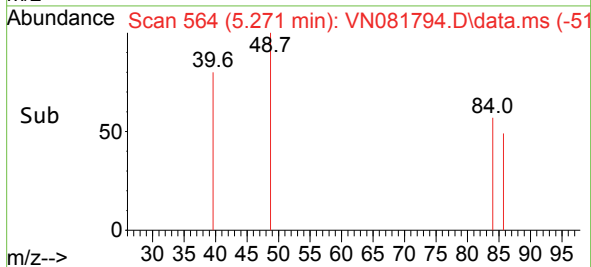
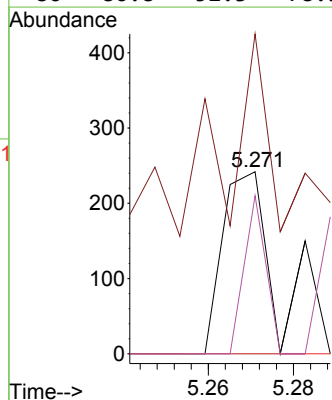
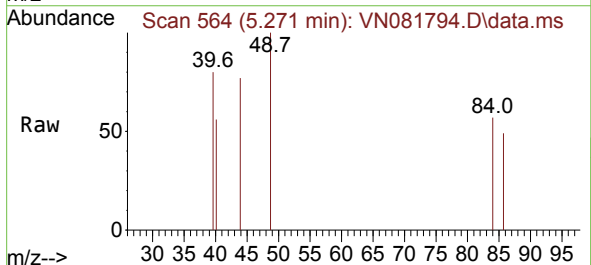
Instrument :
MSVOA_N
ClientSampleId :

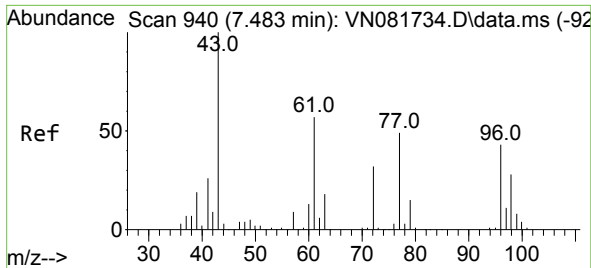
Tgt Ion: 43 Resp: 18550
Ion Ratio Lower Upper
43 100
58 35.1 25.2 37.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

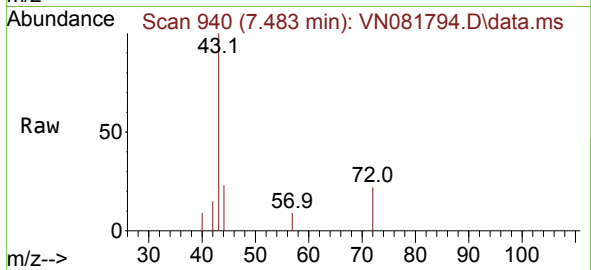
Tgt Ion: 84 Resp: 165
Ion Ratio Lower Upper
84 100
49 111.2 84.9 127.3
51 0.0 27.0 40.6#
86 86.8 52.3 78.5#



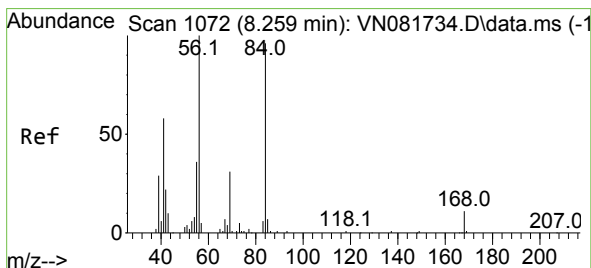
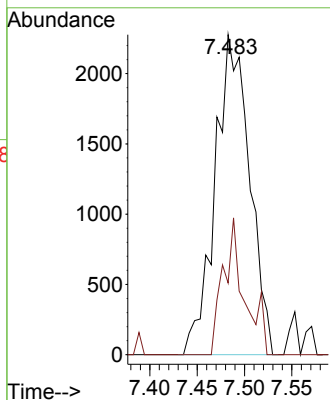
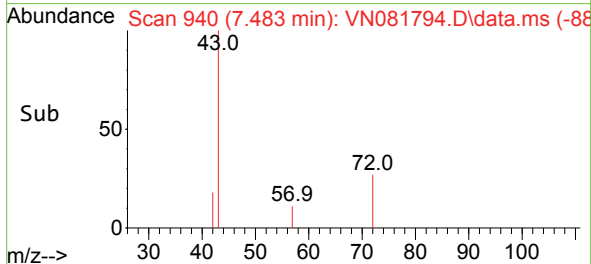


#25
2-Butanone
Concen: 4.164 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

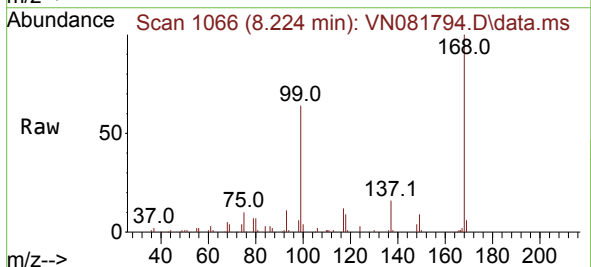
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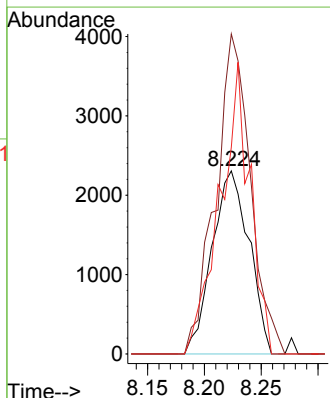
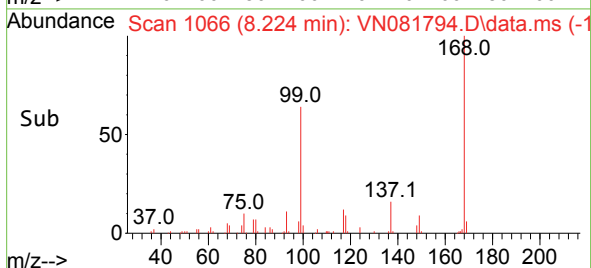
Tgt Ion: 43 Resp: 5772
Ion Ratio Lower Upper
43 100
72 22.4 25.3 37.9#

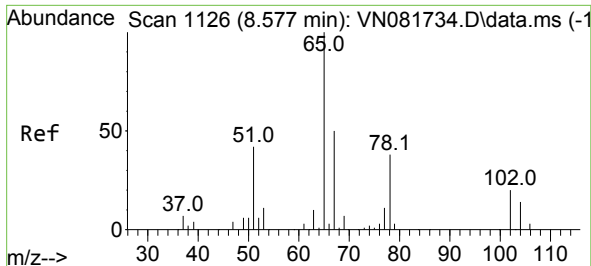


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54



Tgt Ion: 56 Resp: 5217
Ion Ratio Lower Upper
56 100
69 174.9 24.4 36.6#
84 113.0 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.241 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081794.D

Acq: 18 Apr 2024 17:54

Instrument :

MSVOA_N

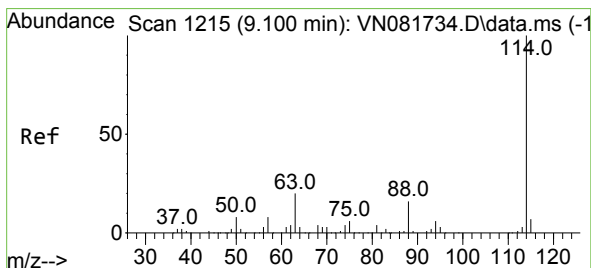
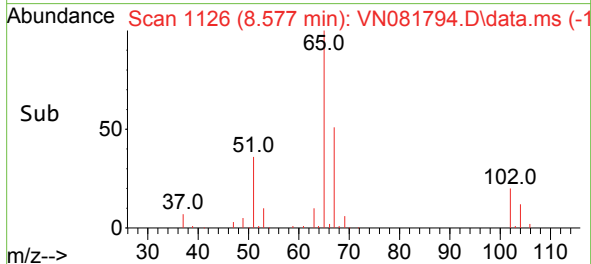
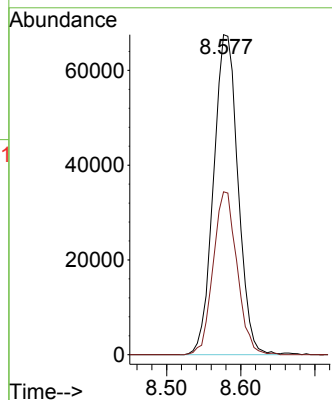
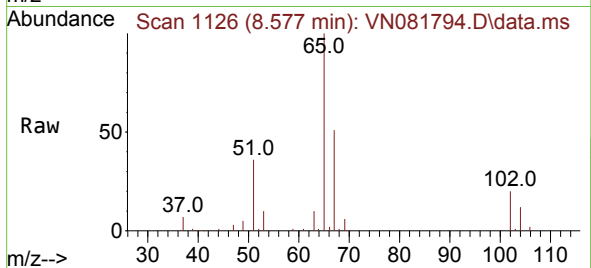
ClientSampleId :

Tgt Ion: 65 Resp: 154810

Ion Ratio Lower Upper

65 100

67 49.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081794.D

Acq: 18 Apr 2024 17:54

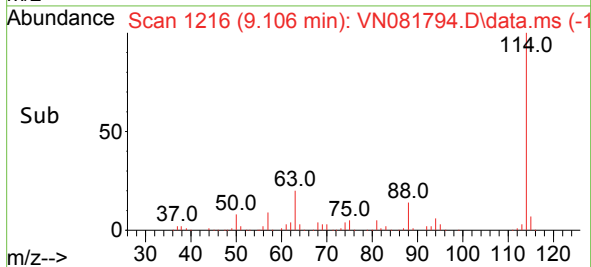
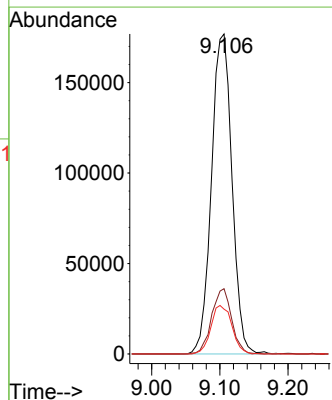
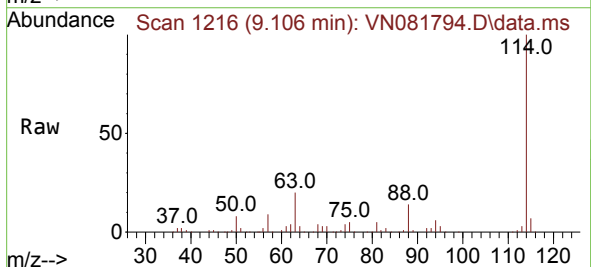
Tgt Ion: 114 Resp: 370692

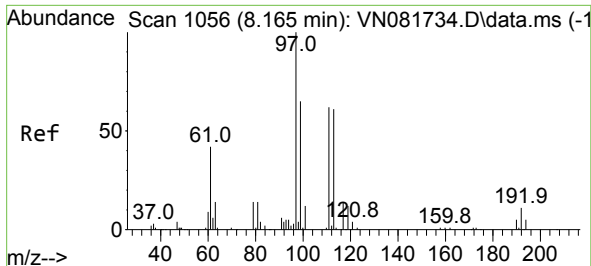
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

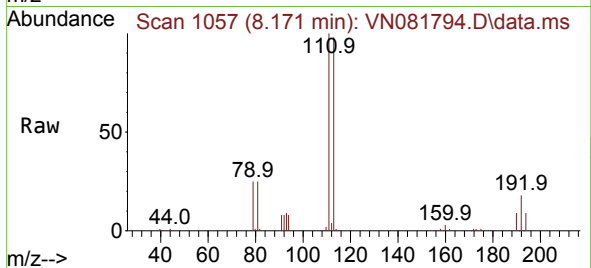
88 14.0 0.0 31.4



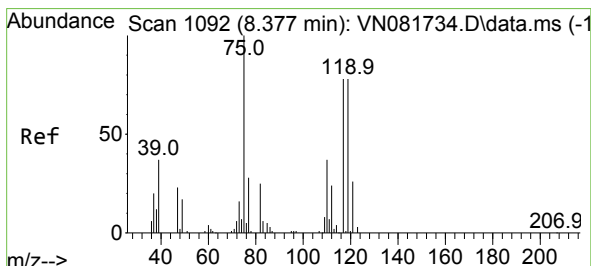
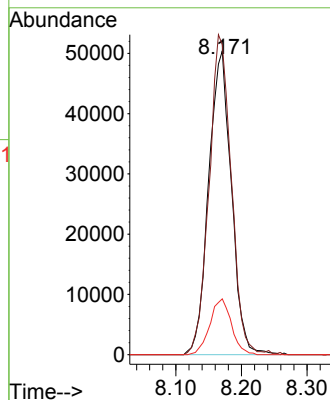
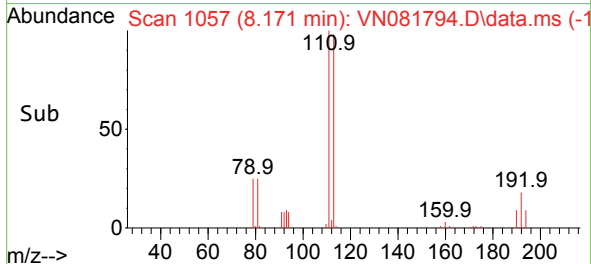


#35
 Dibromofluoromethane
 Concen: 49.497 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN081794.D
 Acq: 18 Apr 2024 17:54

Instrument :
 MSVOA_N
 ClientSampleId :

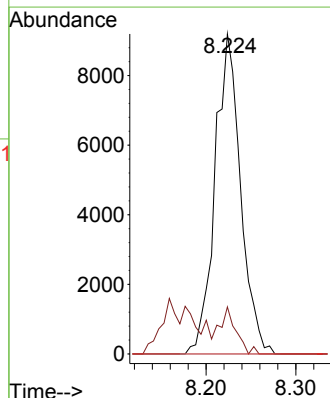
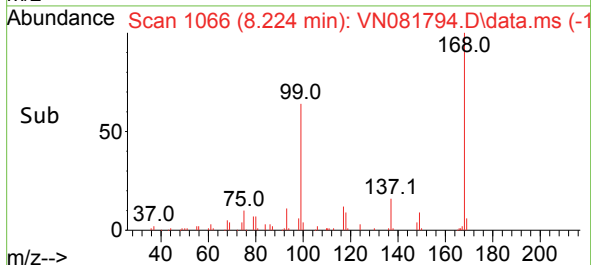
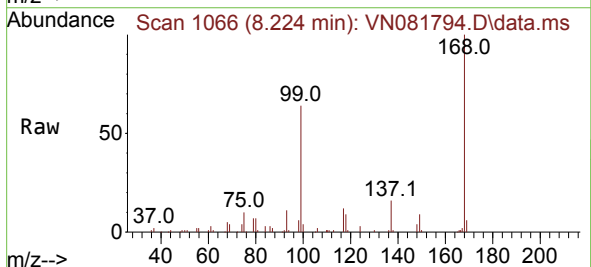


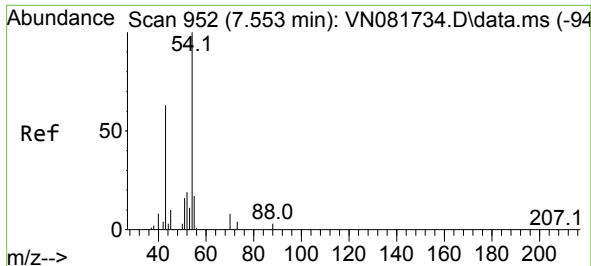
Tgt Ion:113 Resp: 121161
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 17.5 14.0 21.0



#36
 1,1-Dichloropropene
 Concen: 5.341 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.153 min
 Lab File: VN081794.D
 Acq: 18 Apr 2024 17:54

Tgt Ion: 75 Resp: 18214
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.8 53.5#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 2.060 ug/l

RT: 7.483 min Scan# 94

Delta R.T. -0.070 min

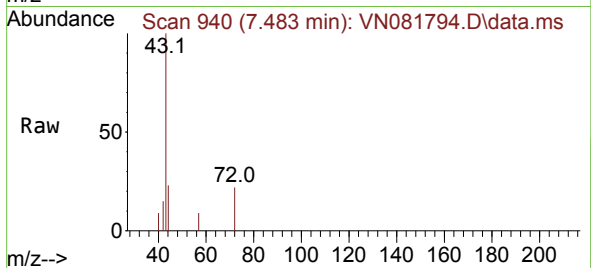
Lab File: VN081794.D

Acq: 18 Apr 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :



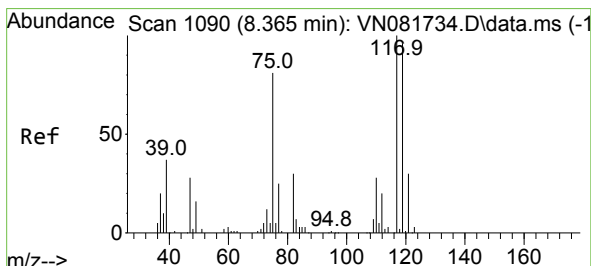
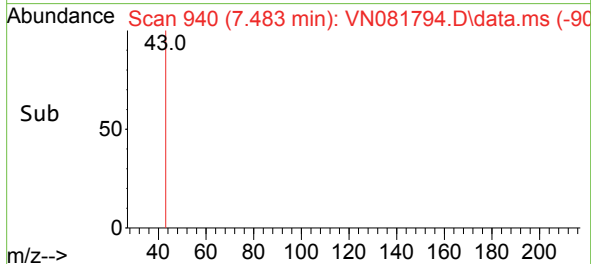
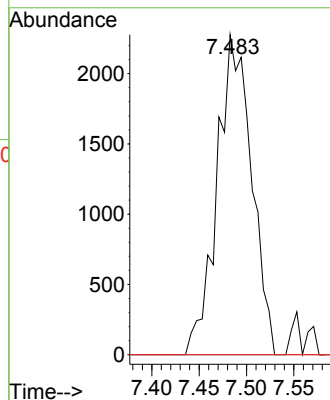
Tgt Ion: 43 Resp: 5772

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN081794.D

Acq: 18 Apr 2024 17:54

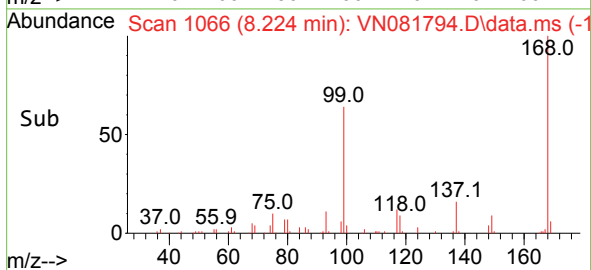
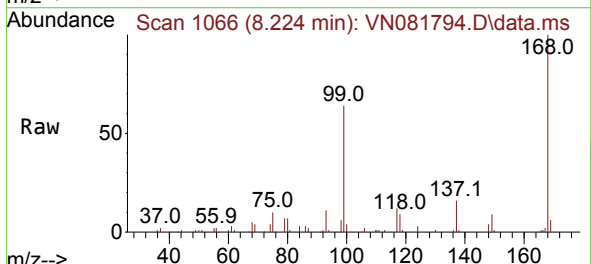
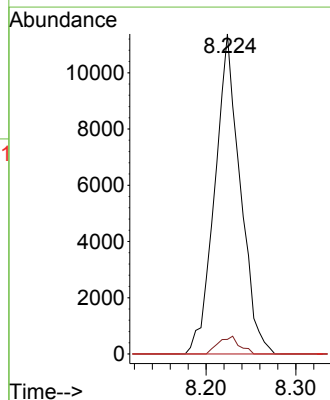
Tgt Ion: 117 Resp: 22423

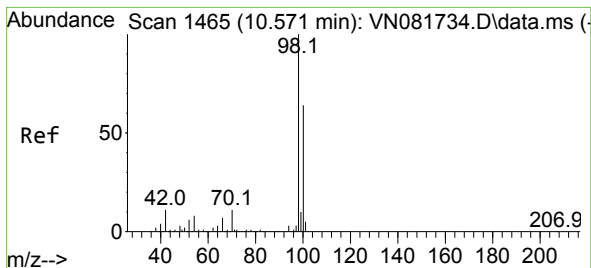
Ion Ratio Lower Upper

117 100

119 4.6 76.5 114.7#

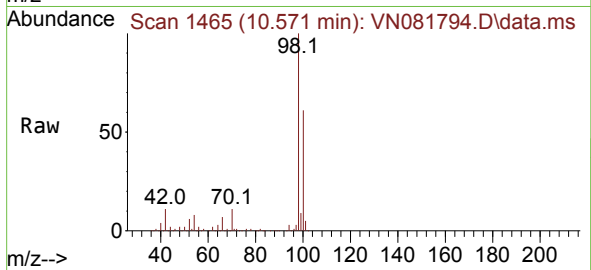
121 0.0 23.9 35.9#



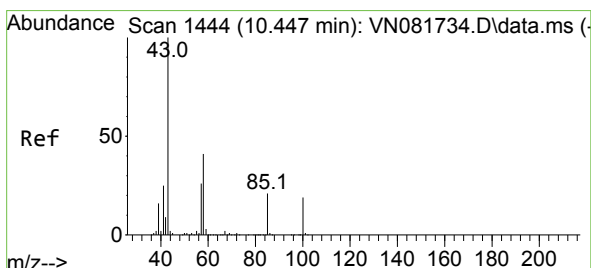
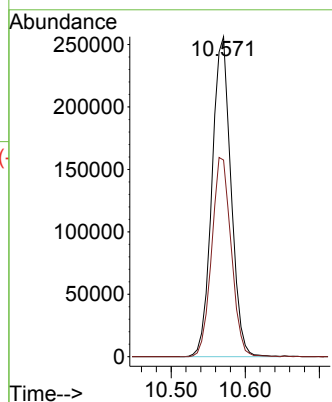
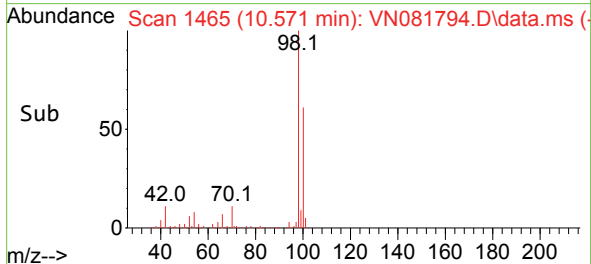


#50
Toluene-d8
Concen: 50.521 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

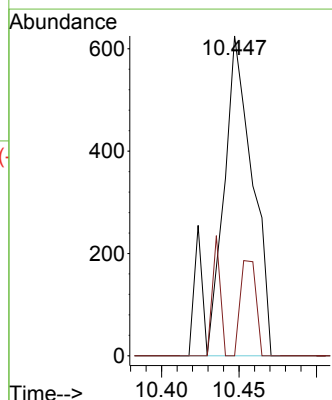
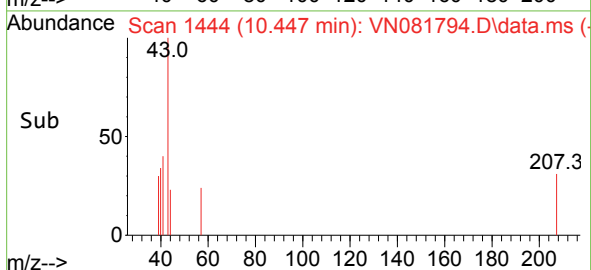
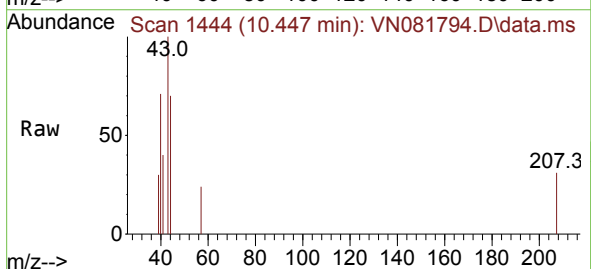


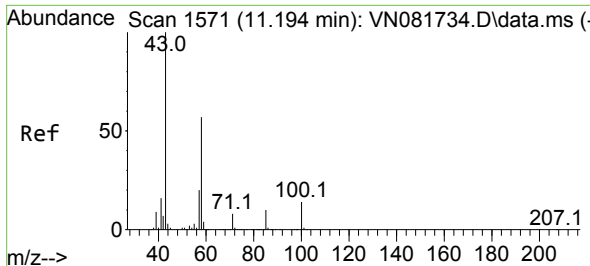
Tgt Ion: 98 Resp: 455585
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.302 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

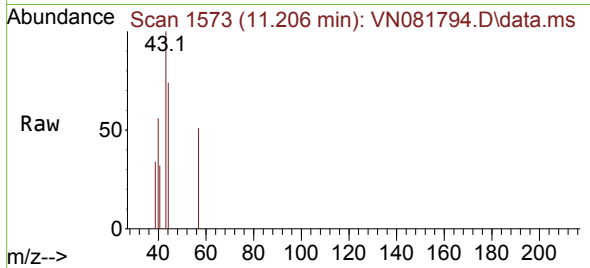
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 14.9 33.2 49.8#



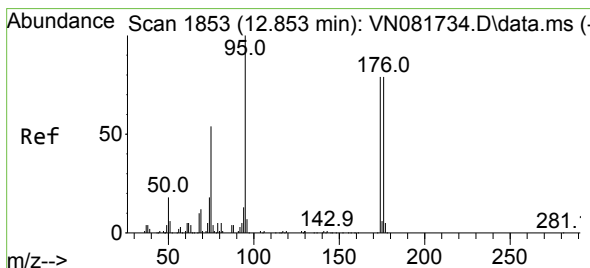
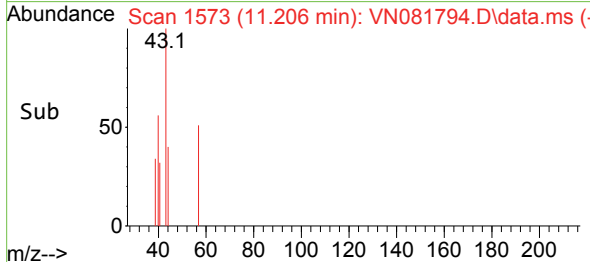
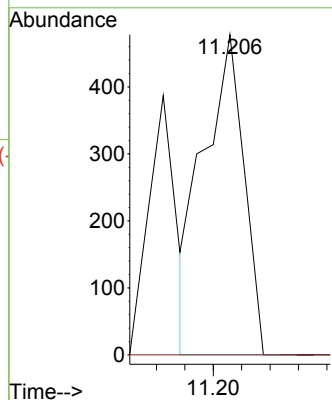


#59
2-Hexanone
Concen: 0.224 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

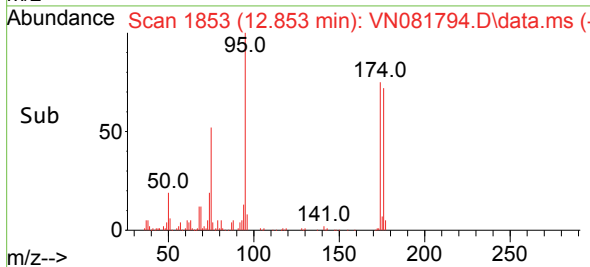
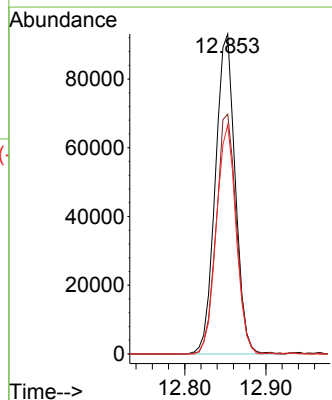
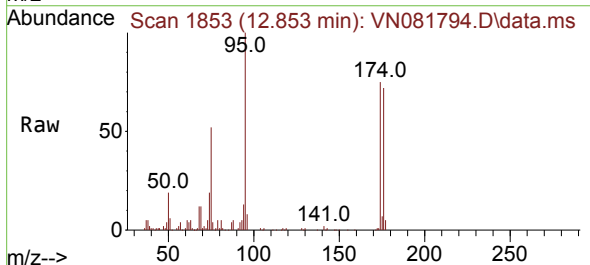


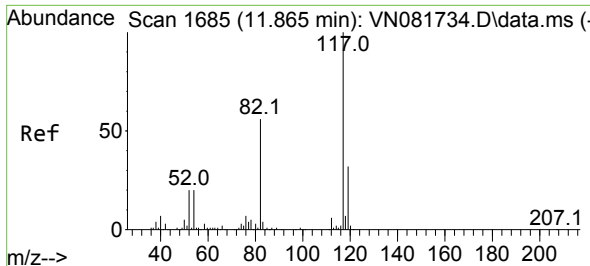
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 51.482 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

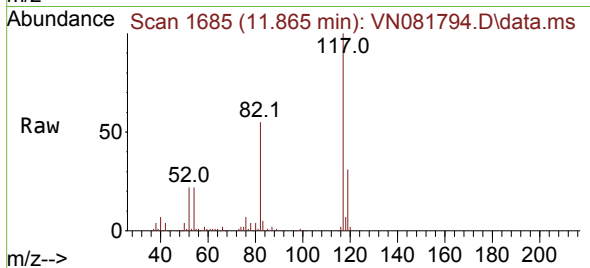
Tgt Ion: 95 Resp: 158647
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 71.0 0.0 152.8



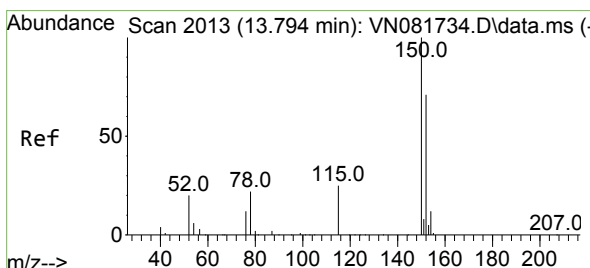
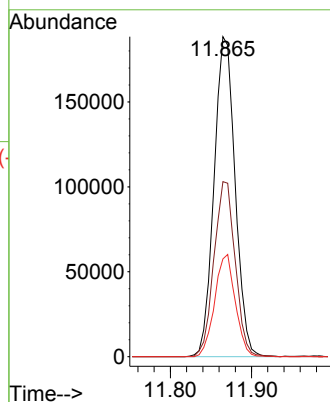
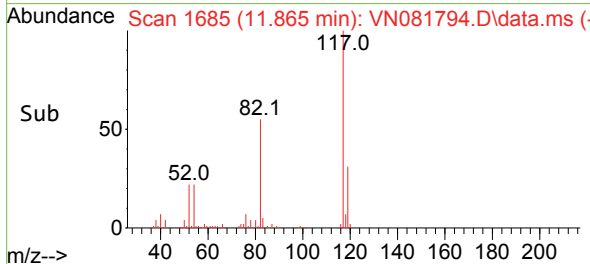


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Instrument :
MSVOA_N
ClientSampleId :

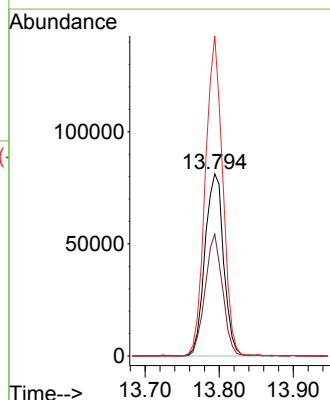
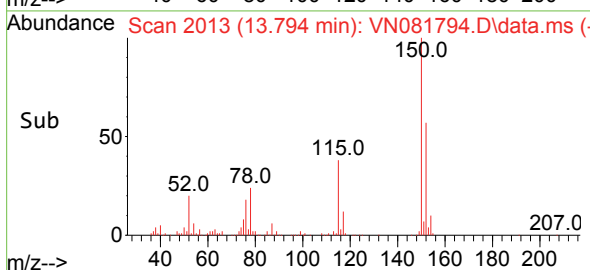
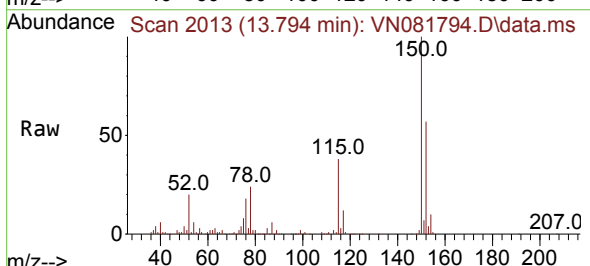


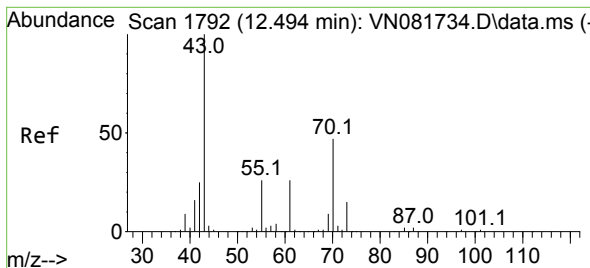
Tgt Ion:117 Resp: 340247
Ion Ratio Lower Upper
117 100
82 54.7 44.6 66.8
119 30.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

Tgt Ion:152 Resp: 142463
Ion Ratio Lower Upper
152 100
115 62.6 30.4 91.3
150 163.4 0.0 353.2





#74

N-amy1 acetate

Concen: 2.077 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

Lab File: VN081794.D

Acq: 18 Apr 2024 17:54

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 8077

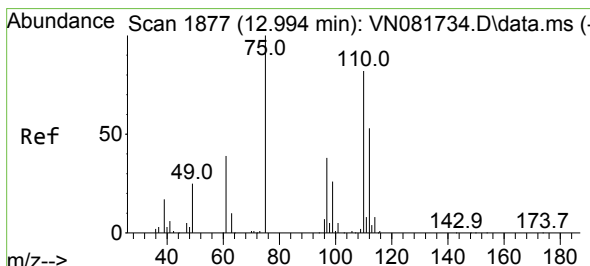
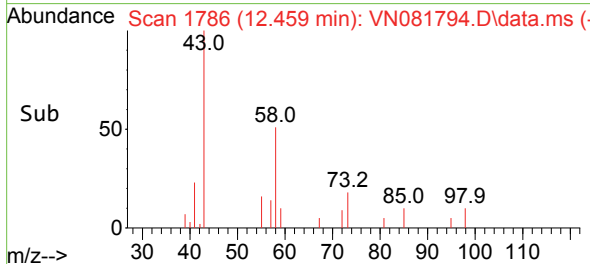
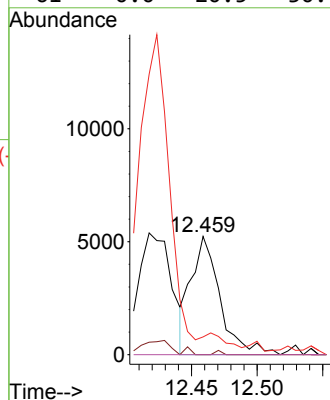
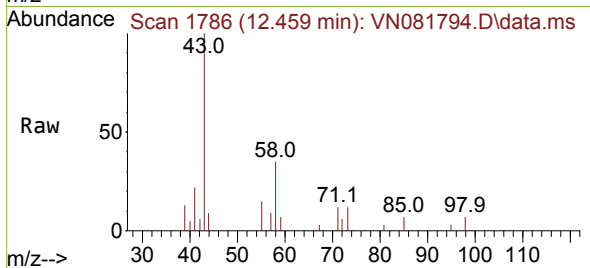
Ion Ratio Lower Upper

43 100

70 0.8 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 31.340 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081794.D

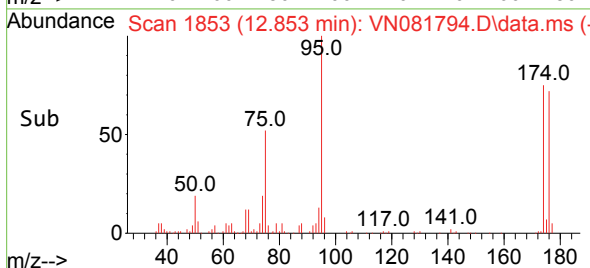
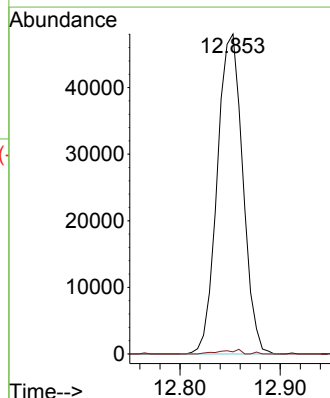
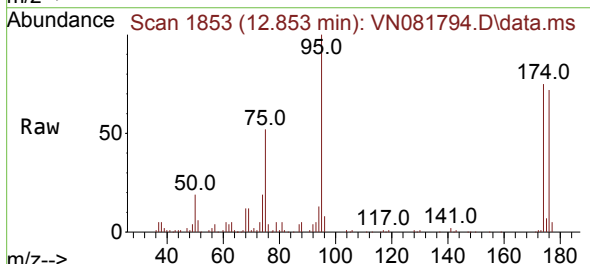
Acq: 18 Apr 2024 17:54

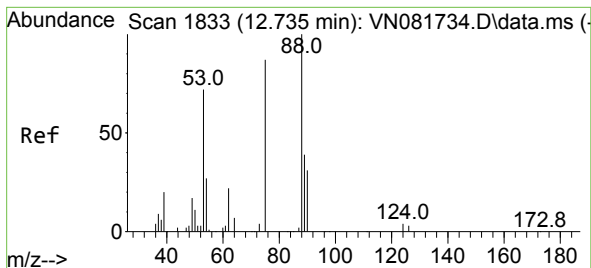
Tgt Ion: 75 Resp: 84883

Ion Ratio Lower Upper

75 100

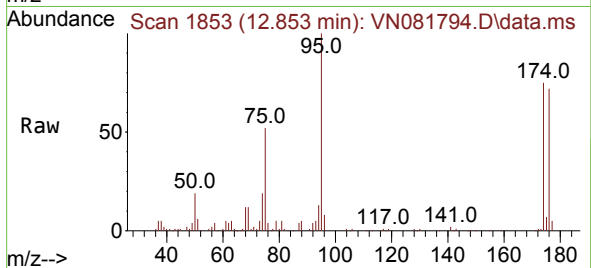
77 1.1 90.5 271.3#



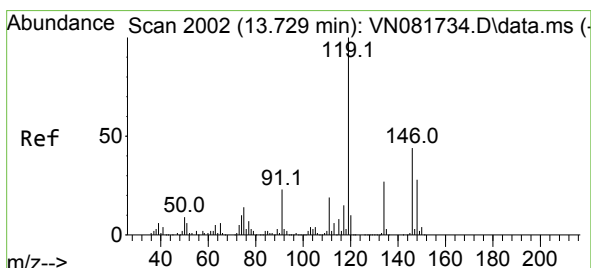
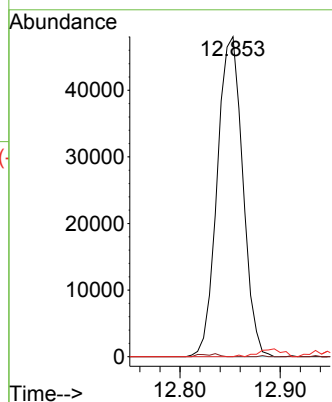
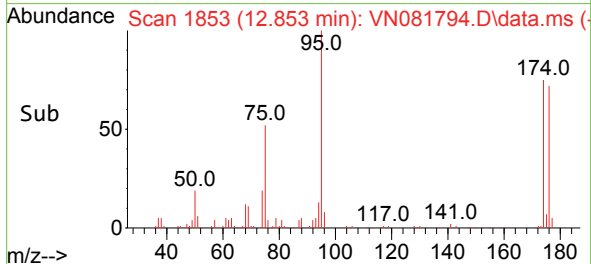


#81
trans-1,4-Dichloro-2-butene
Concen: 72.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54

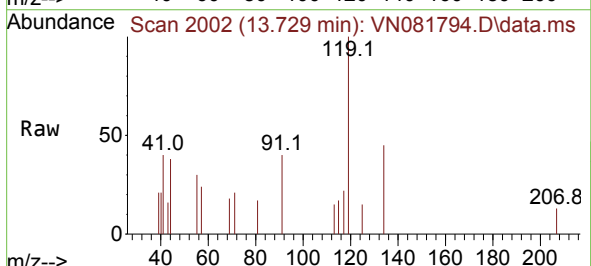
Instrument :
MSVOA_N
ClientSampleId :



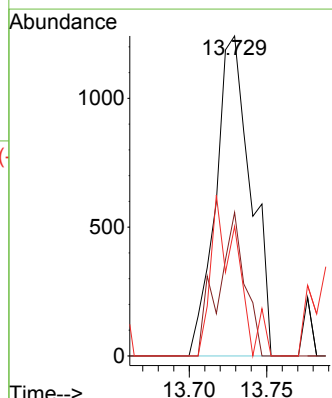
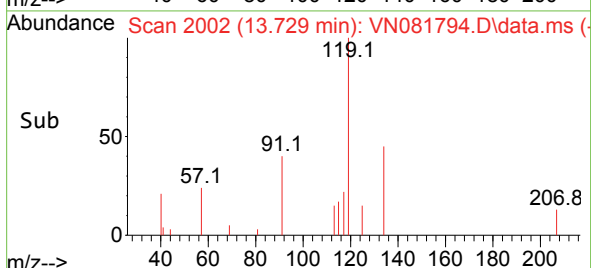
Tgt Ion: 75 Resp: 84883
Ion Ratio Lower Upper
75 100
53 0.6 72.9 109.3#
89 0.0 39.1 58.7#

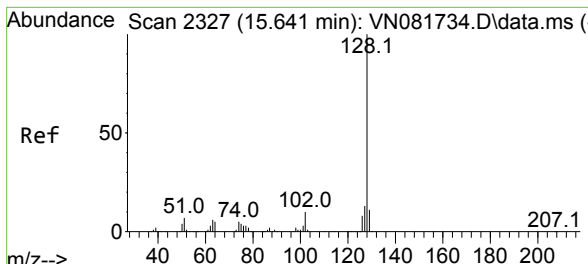


#86
p-Isopropyltoluene
Concen: 0.223 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN081794.D
Acq: 18 Apr 2024 17:54



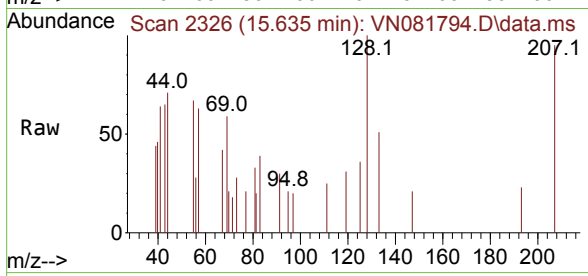
Tgt Ion: 119 Resp: 1952
Ion Ratio Lower Upper
119 100
134 34.2 13.2 39.5
91 37.8 11.8 35.3#





#95
 Naphthalene
 Concen: 0.234 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN081794.D
 Acq: 18 Apr 2024 17:54

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:128 Resp: 1944

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	5.0	8.9	13.3#

