

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082374.D
 Acq On : 29 May 2024 16:40
 Operator : JC\MD
 Sample : P2609-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:45:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

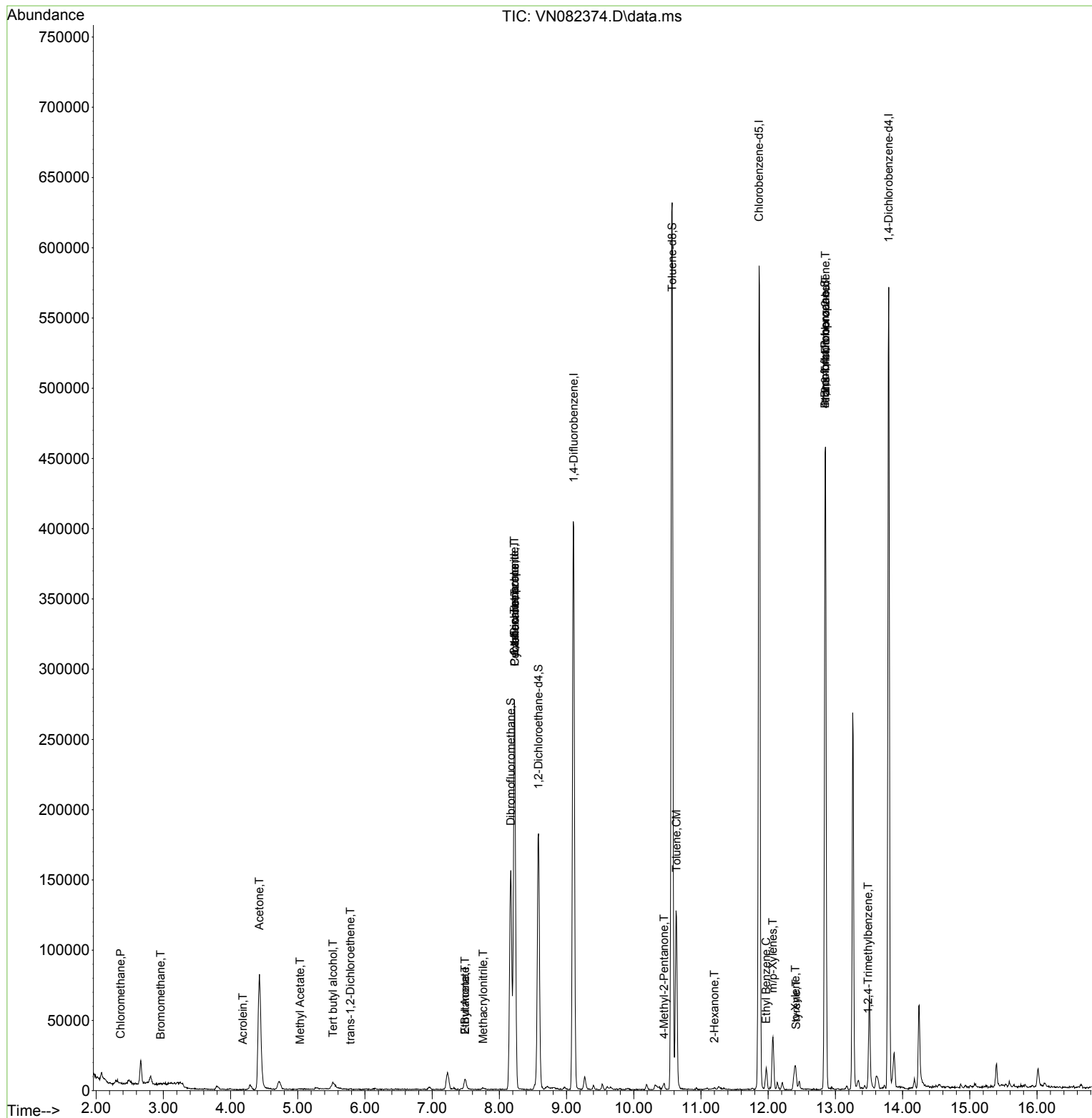
Internal Standards						
1) Pentafluorobenzene	8.229	168	190311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	329512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	139537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151345	50.363	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.720%	
35) Dibromofluoromethane	8.171	113	106540	52.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.120%	
50) Toluene-d8	10.571	98	418430	53.842	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.680%	
62) 4-Bromofluorobenzene	12.847	95	149981	54.071	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 108.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	683	0.220	ug/l #	78
5) Bromomethane	2.959	94	381	0.227	ug/l #	75
11) Tert butyl alcohol	5.524	59	7413	15.368	ug/l #	80
13) Acrolein	4.183	56	148	0.414	ug/l #	73
16) Acetone	4.430	43	157229	127.546	ug/l	90
18) Methyl Acetate	5.036	43	1273	0.415	ug/l #	47
21) trans-1,2-Dichloroethene	5.783	96	482	0.213	ug/l #	38
25) 2-Butanone	7.488	43	12550	6.715	ug/l #	84
31) Cyclohexane	8.229	56	5429	1.131	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	18158	5.341	ug/l #	49
37) Ethyl Acetate	7.488	43	12550	3.299	ug/l #	68
38) Carbon Tetrachloride	8.224	117	20531	5.958	ug/l #	16
41) Methacrylonitrile	7.759	41	584	0.261	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	3251	0.849	ug/l	89
52) Toluene	10.635	92	53271	8.756	ug/l	99
59) 2-Hexanone	11.200	43	1002	0.357	ug/l #	54
67) Ethyl Benzene	11.970	91	6041	0.492	ug/l	89
68) m/p-Xylenes	12.070	106	11186	2.488	ug/l	91
69) o-Xylene	12.406	106	3796	0.872	ug/l	91
70) Styrene	12.417	104	2299	0.318	ug/l #	69
71) Bromoform	12.847	173	715	1.093	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	87861	29.916	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87861	69.972	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	2109	0.230	ug/l	72

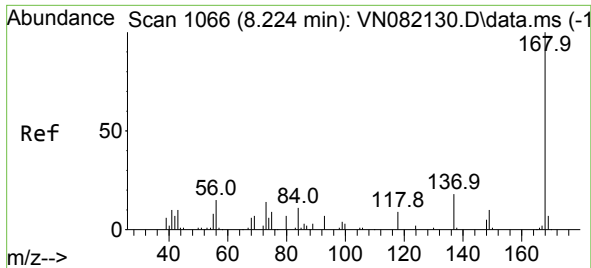
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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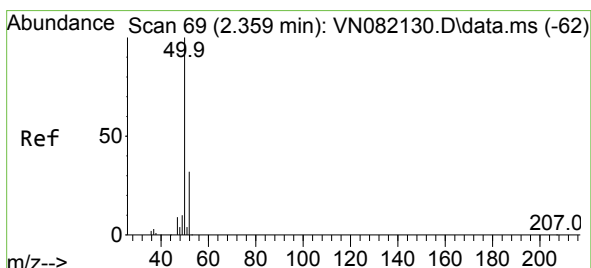
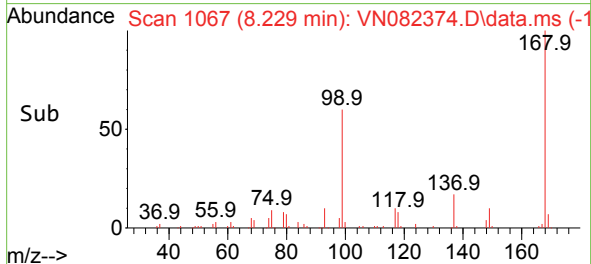
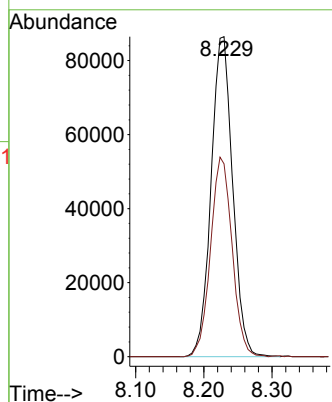
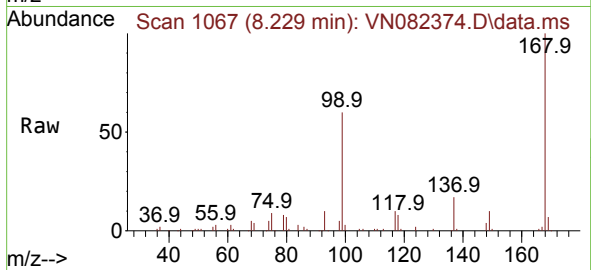




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

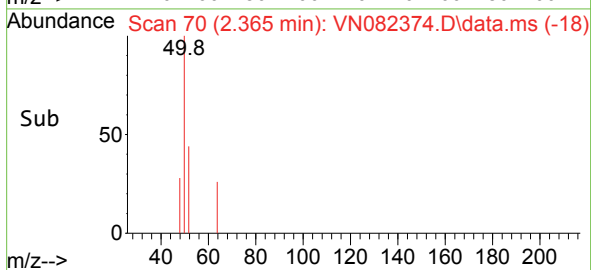
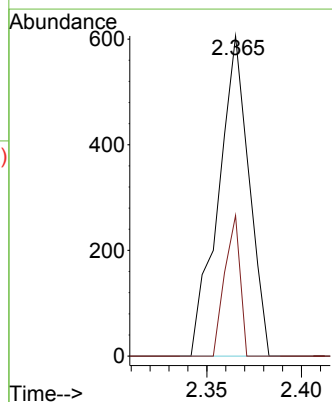
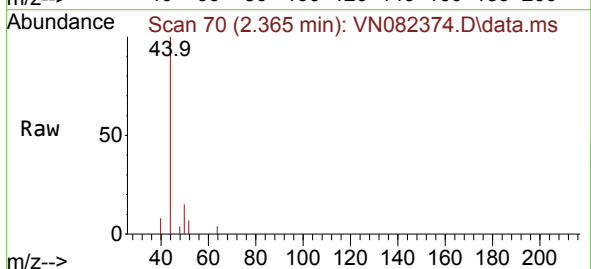
Instrument :
MSVOA_N
ClientSampleId :

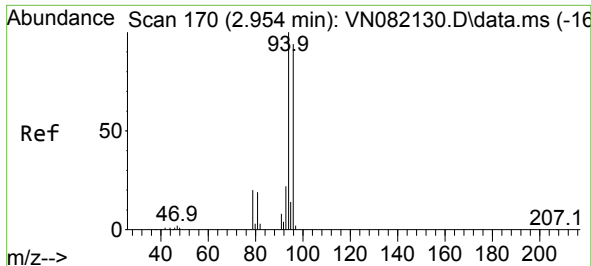
Tgt Ion:168 Resp: 190311
Ion Ratio Lower Upper
168 100
99 60.3 48.2 72.4



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

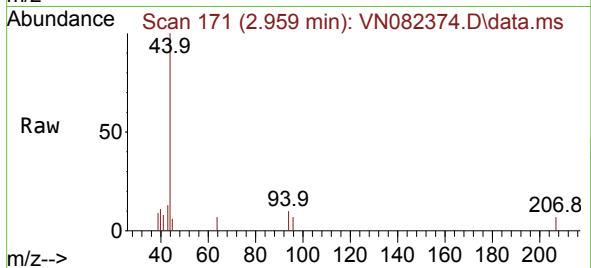
Tgt Ion: 50 Resp: 683
Ion Ratio Lower Upper
50 100
52 43.9 25.5 38.3#



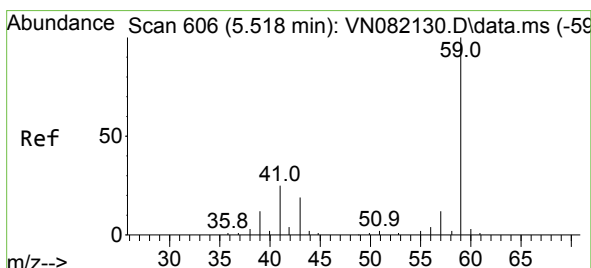
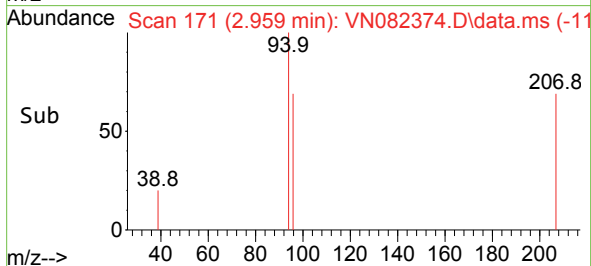
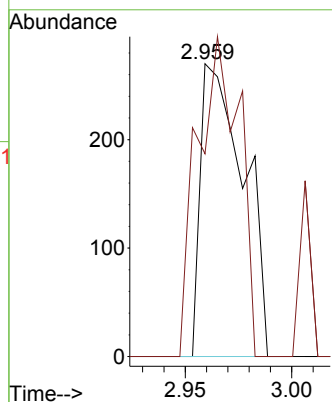


#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

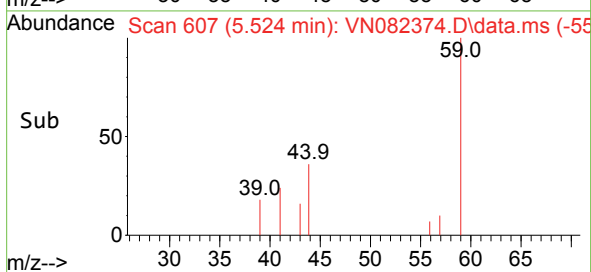
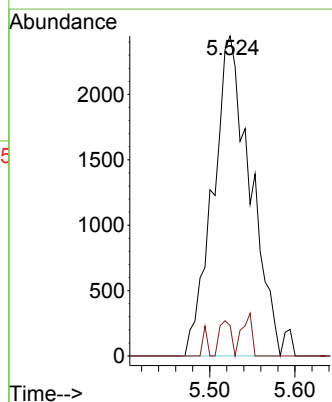
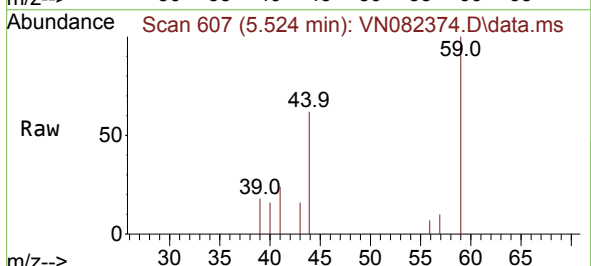


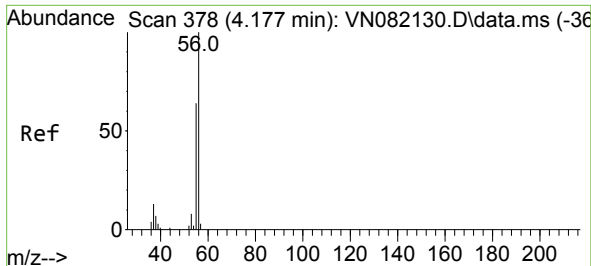
Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 69.3 74.8 112.2#



#11
Tert butyl alcohol
Concen: 15.368 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 59 Resp: 7413
Ion Ratio Lower Upper
59 100
57 3.5 8.9 13.3#





#13

Acrolein

Concen: 0.414 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

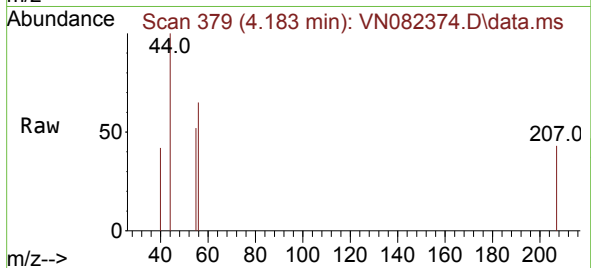
Lab File: VN082374.D

Acq: 29 May 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

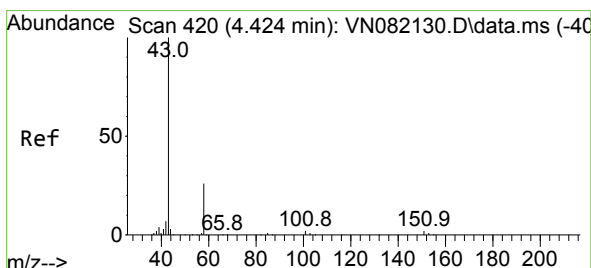
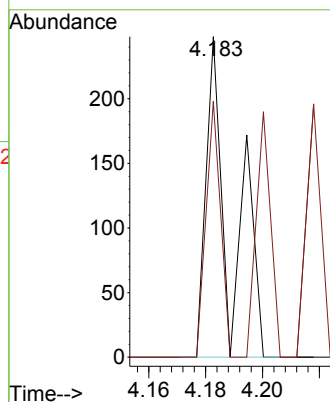
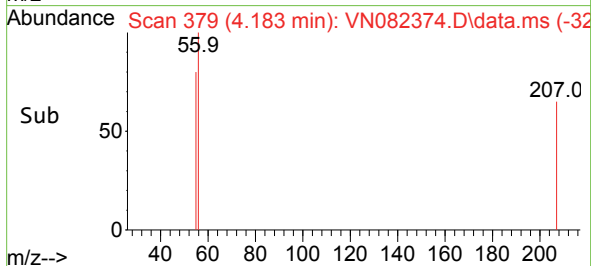


Tgt Ion: 56 Resp: 148

Ion Ratio Lower Upper

56 100

55 47.3 55.8 83.8#



#16

Acetone

Concen: 127.546 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN082374.D

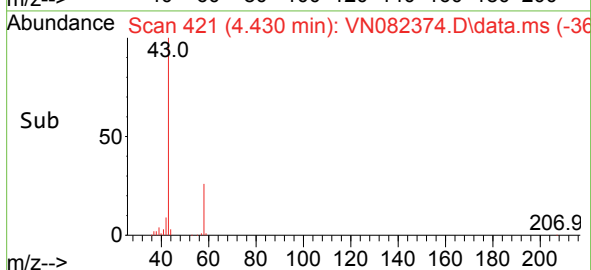
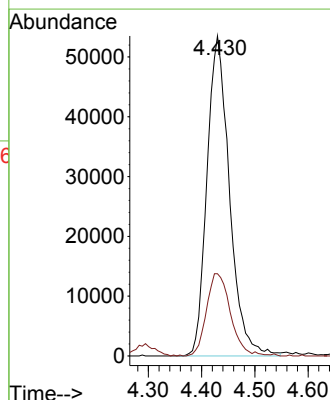
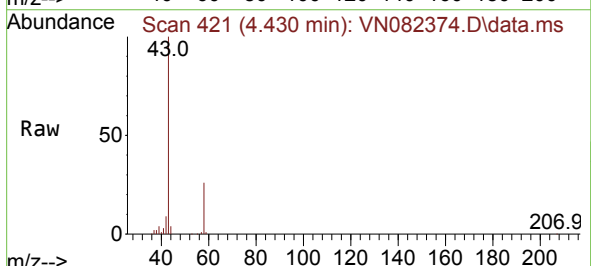
Acq: 29 May 2024 16:40

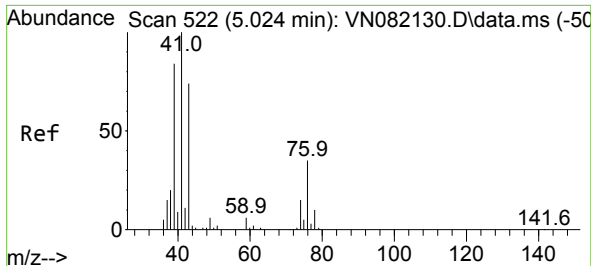
Tgt Ion: 43 Resp: 157229

Ion Ratio Lower Upper

43 100

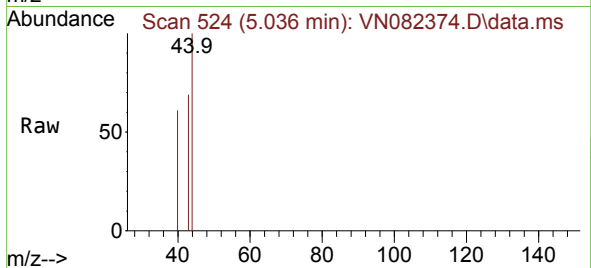
58 25.7 25.2 37.8



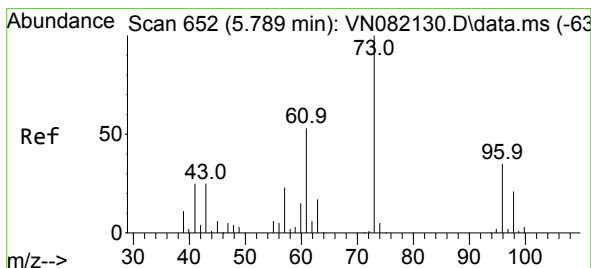
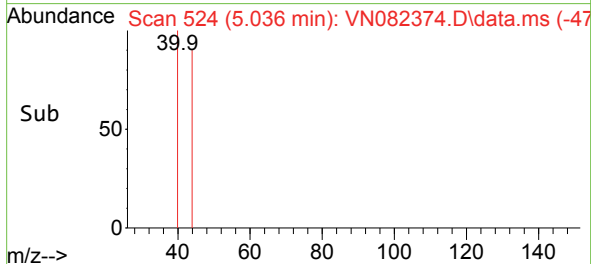
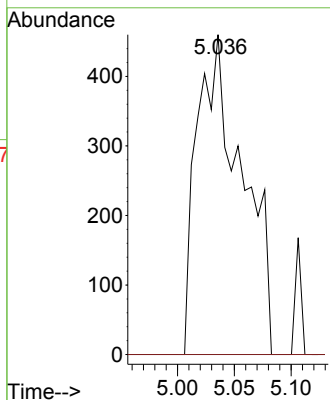


#18
Methyl Acetate
Concen: 0.415 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

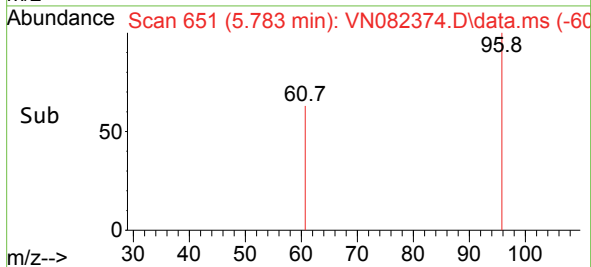
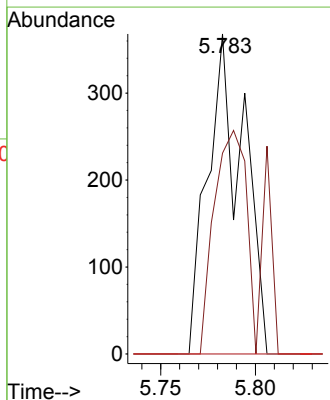
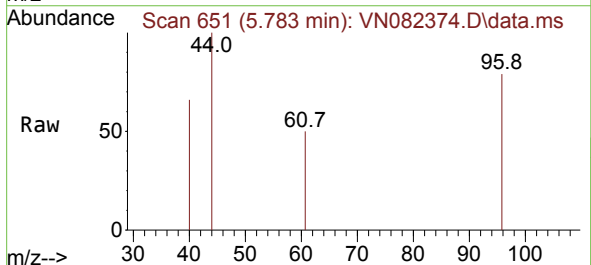


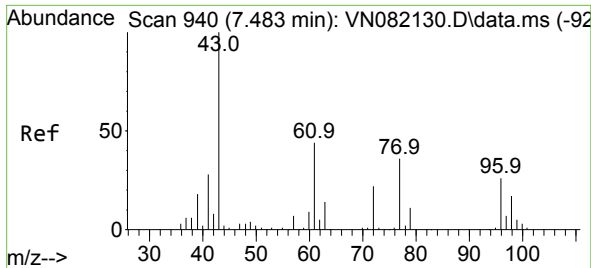
Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#21
trans-1,2-Dichloroethene
Concen: 0.213 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 96 Resp: 482
Ion Ratio Lower Upper
96 100
61 62.8 96.5 144.7#
98 0.0 51.3 76.9#

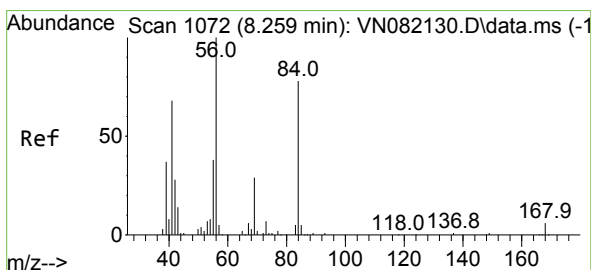
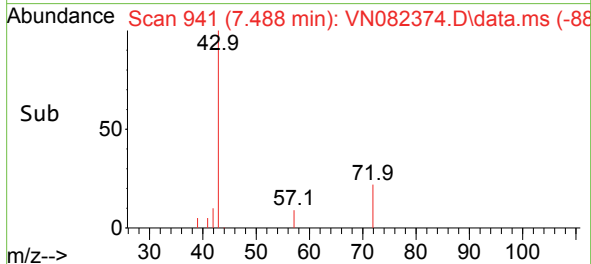
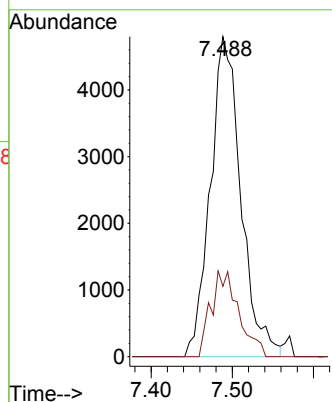
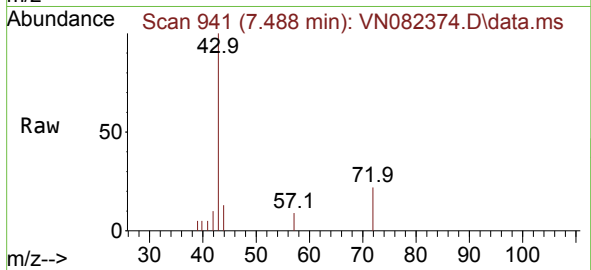




#25
2-Butanone
Concen: 6.715 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

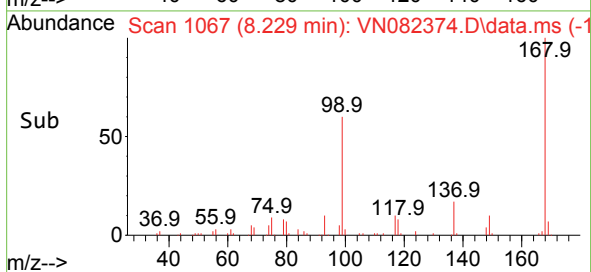
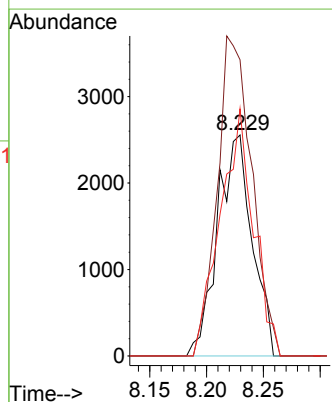
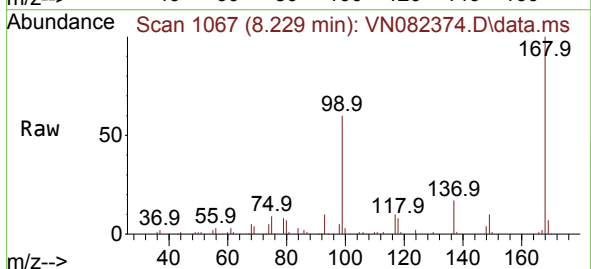
Instrument :
MSVOA_N
ClientSampleId :

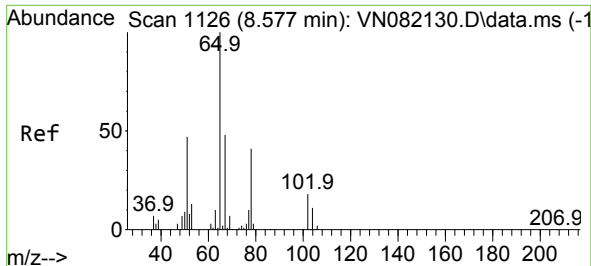
Tgt Ion: 43 Resp: 12550
Ion Ratio Lower Upper
43 100
72 22.7 25.3 37.9#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 56 Resp: 5429
Ion Ratio Lower Upper
56 100
69 134.1 24.4 36.6#
84 111.9 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.363 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082374.D

Acq: 29 May 2024 16:40

Instrument :

MSVOA_N

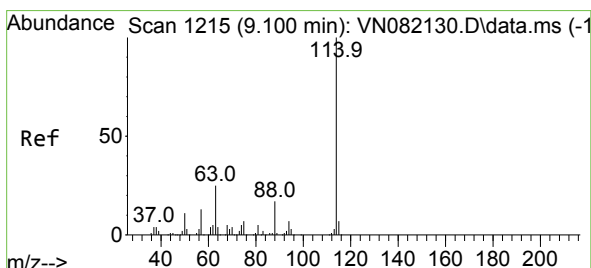
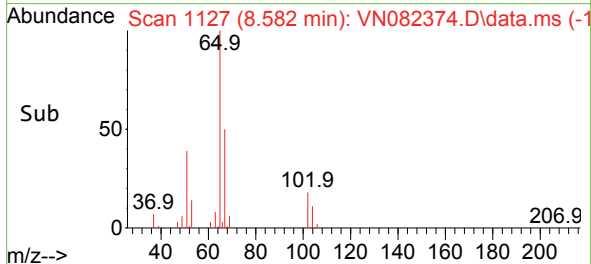
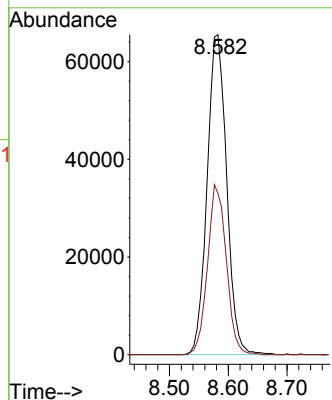
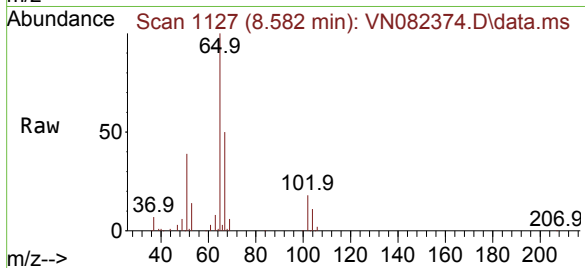
ClientSampleId :

Tgt Ion: 65 Resp: 151345

Ion Ratio Lower Upper

65 100

67 51.1 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: VN082374.D

Acq: 29 May 2024 16:40

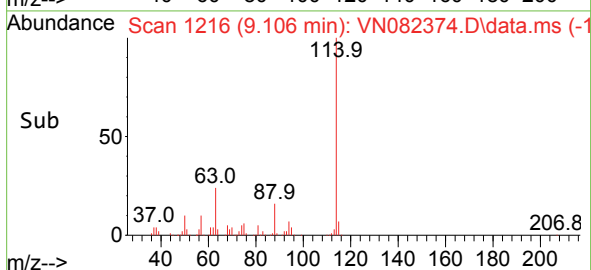
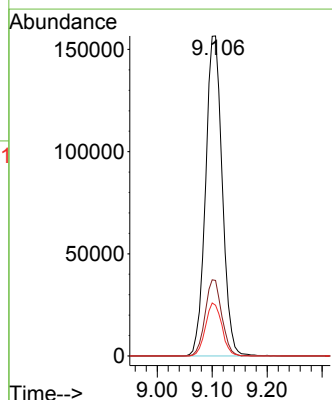
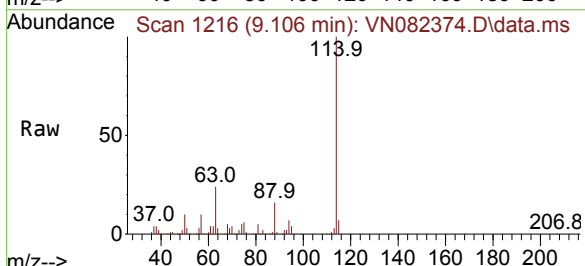
Tgt Ion: 114 Resp: 329512

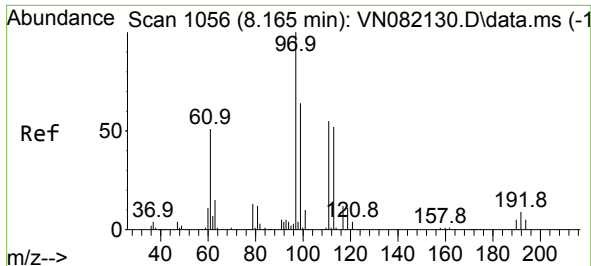
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 15.9 0.0 31.4

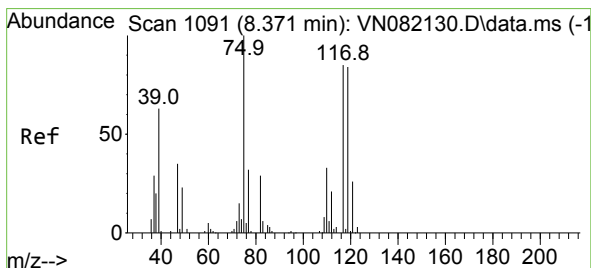
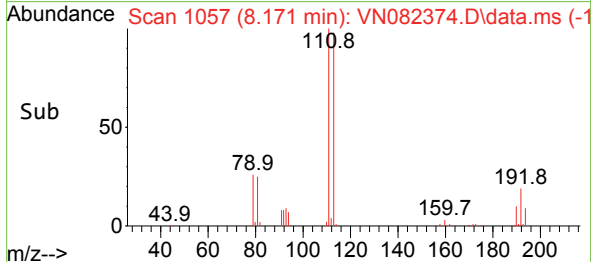
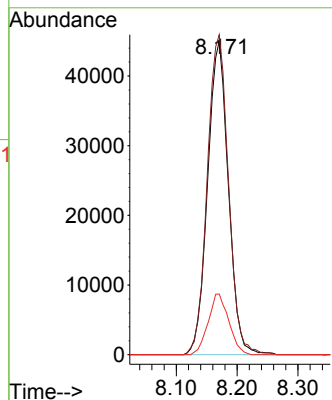
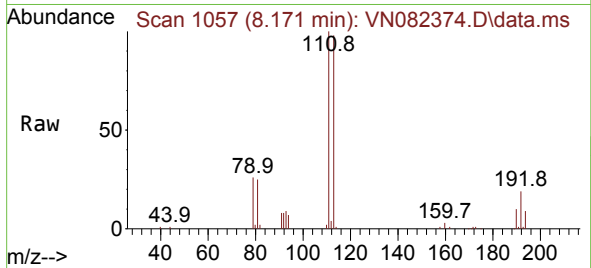




#35
Dibromofluoromethane
Concen: 52.560 ug/l
RT: 8.171 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

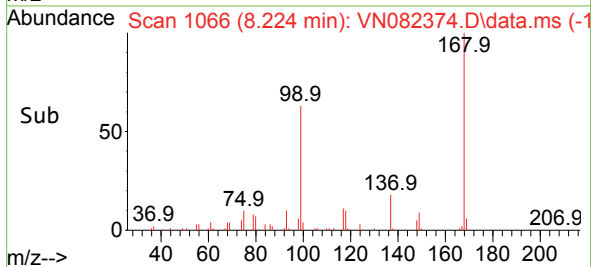
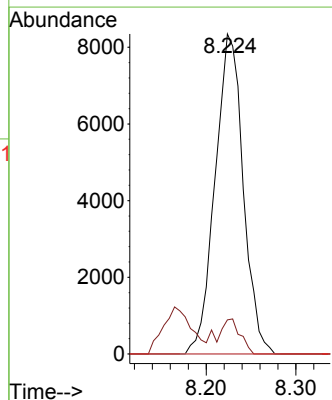
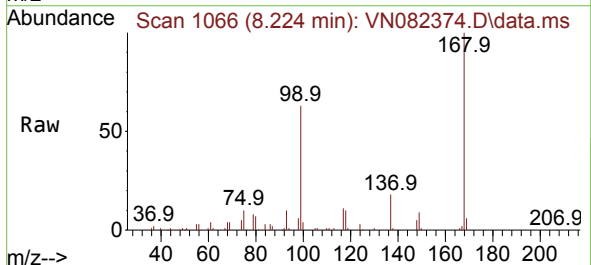
Instrument :
MSVOA_N
ClientSampleId :

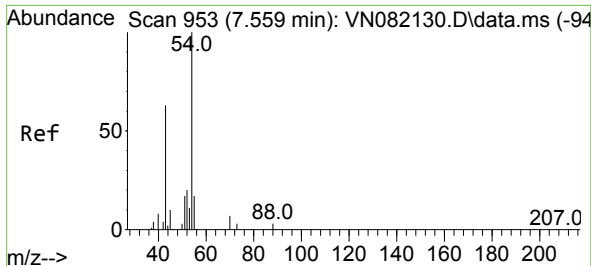
Tgt Ion:113 Resp: 106540
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.2
192 19.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.341 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 75 Resp: 18158
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 3.299 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

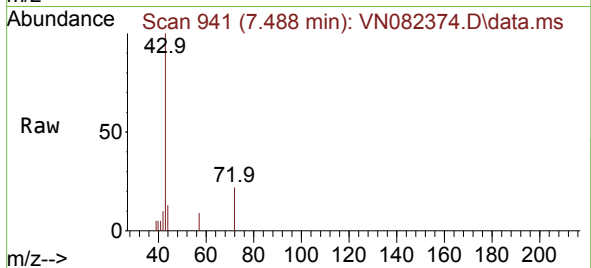
Lab File: VN082374.D

Acq: 29 May 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :



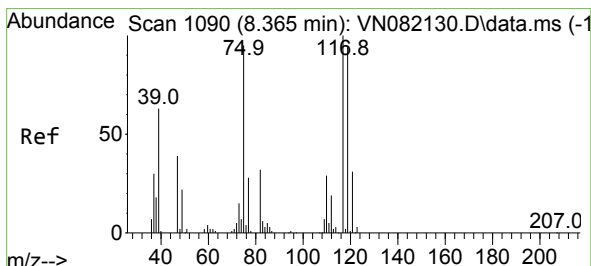
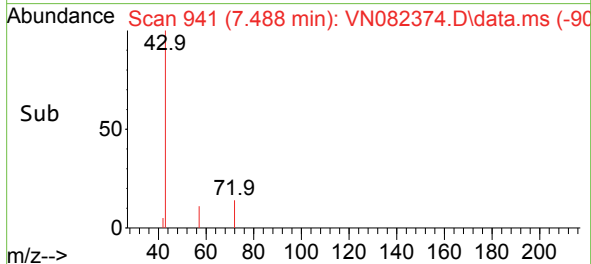
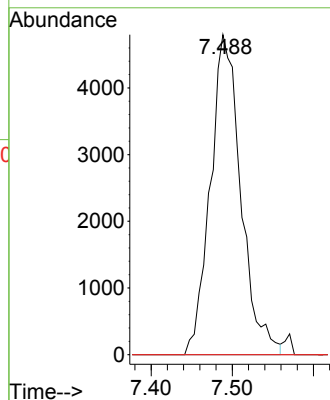
Tgt Ion: 43 Resp: 12550

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082374.D

Acq: 29 May 2024 16:40

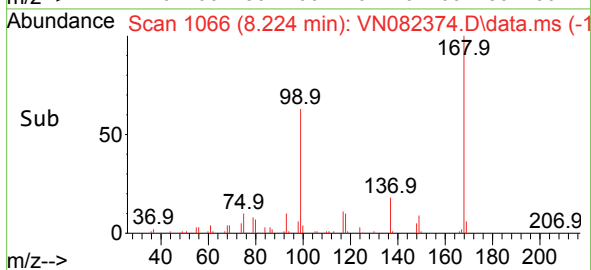
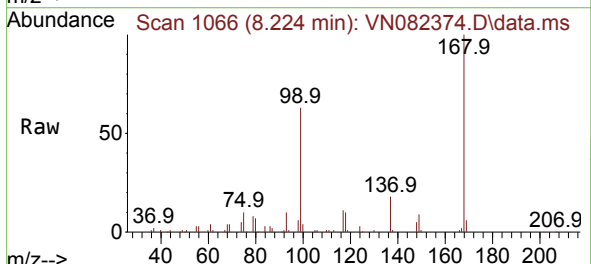
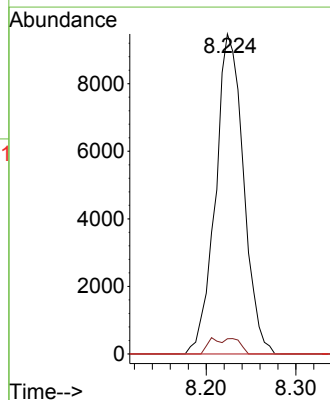
Tgt Ion: 117 Resp: 20531

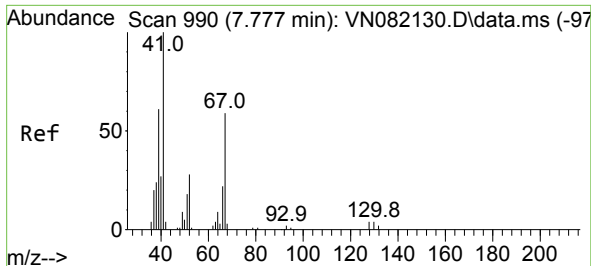
Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

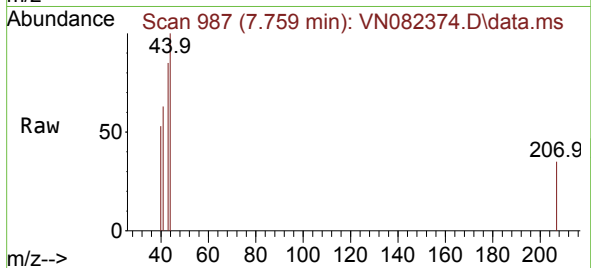
121 0.0 23.9 35.9#



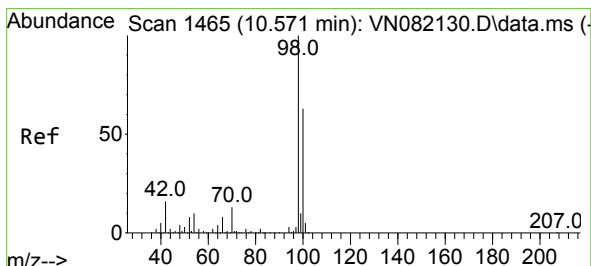
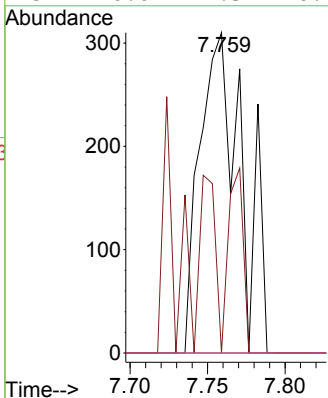
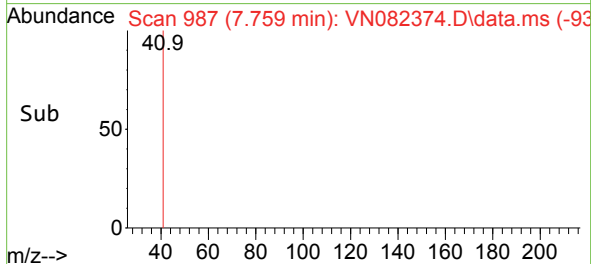


#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.018 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

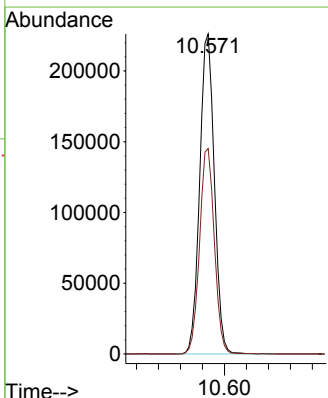
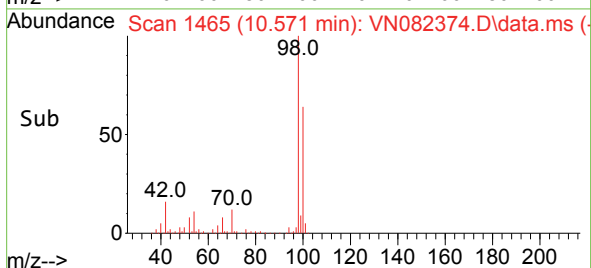
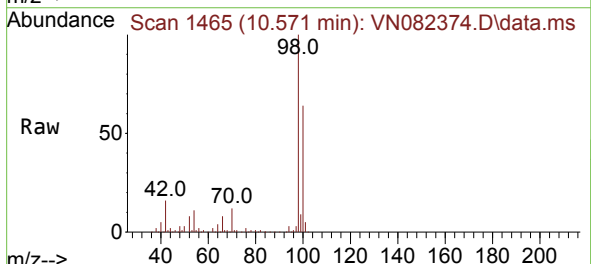


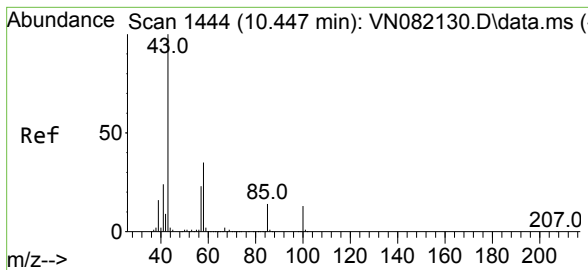
Tgt Ion:	41	Resp:	584
Ion	Ratio	Lower	Upper
41	100		
39	20.2	46.6	69.8#
67	0.0	67.3	100.9#
52	0.0	27.3	40.9#



#50
Toluene-d8
Concen: 53.842 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion:	98	Resp:	418430
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.6

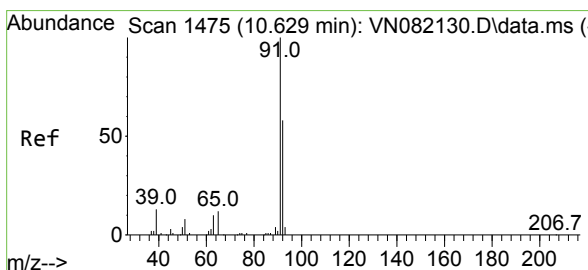
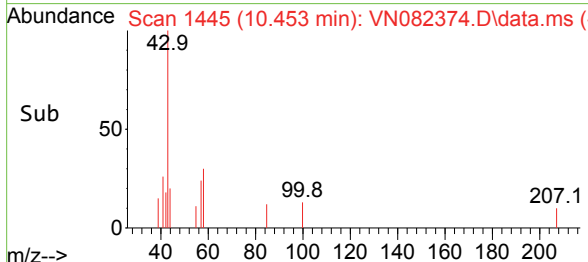
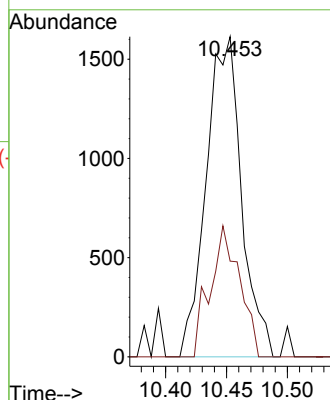
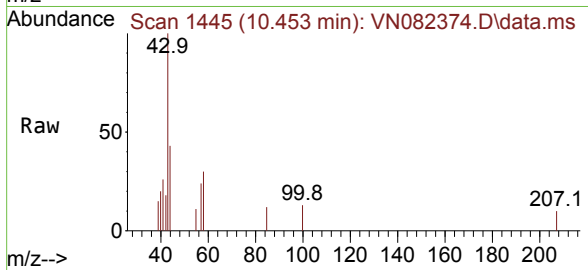




#51
4-Methyl-2-Pentanone
Concen: 0.849 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

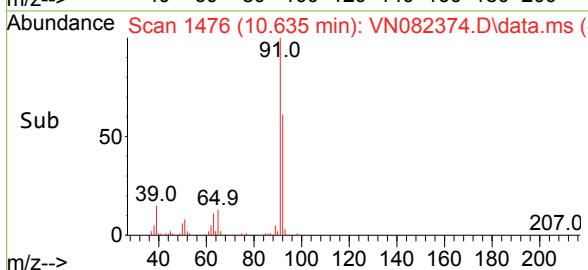
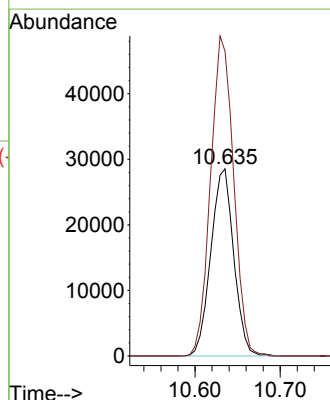
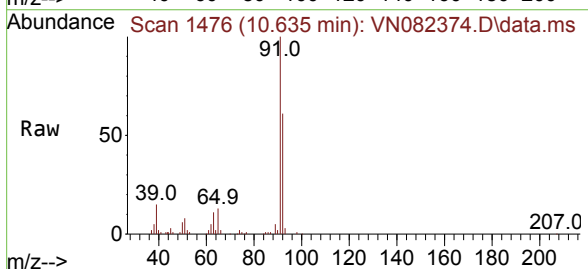
Instrument :
MSVOA_N
ClientSampleId :

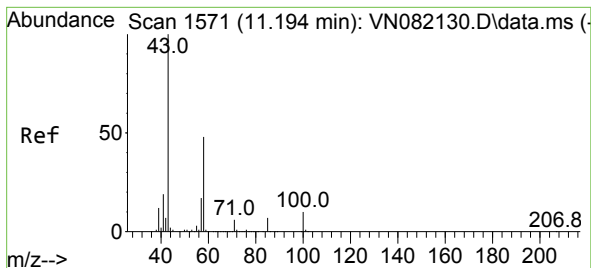
Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
58 34.3 33.2 49.8



#52
Toluene
Concen: 8.756 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 92 Resp: 53271
Ion Ratio Lower Upper
92 100
91 172.0 136.7 205.1

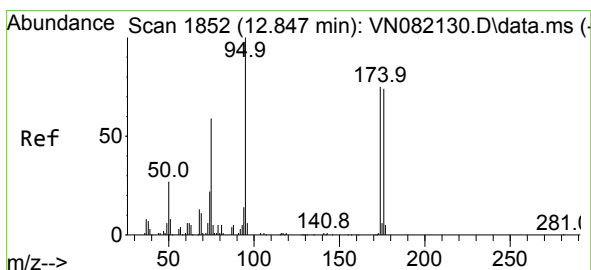
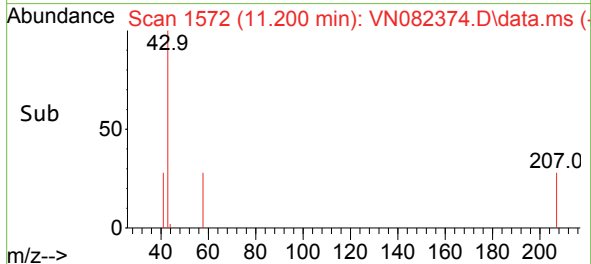
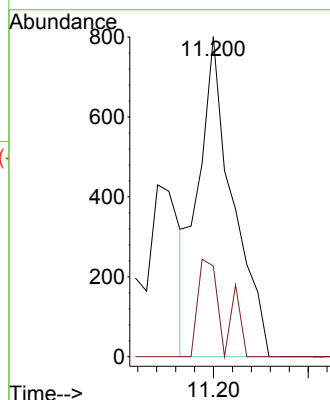
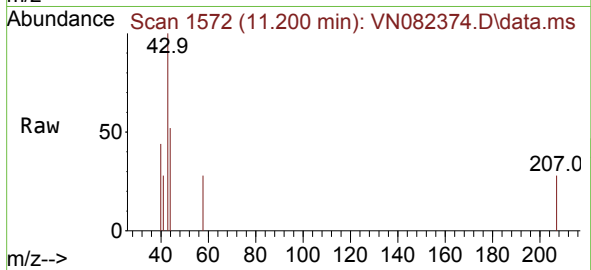




#59
2-Hexanone
Concen: 0.357 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

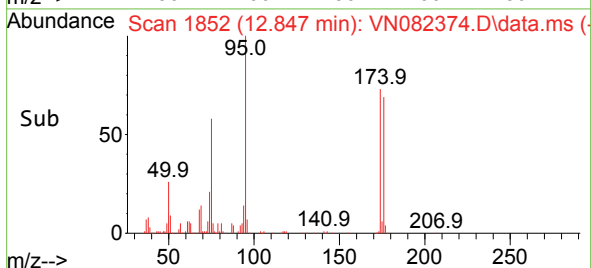
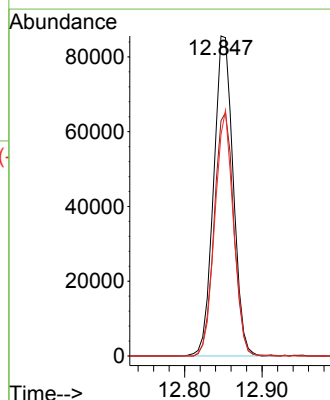
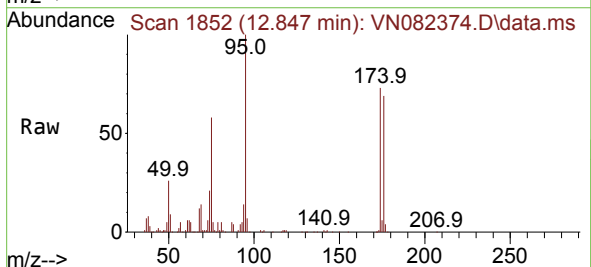
Instrument :
MSVOA_N
ClientSampleId :

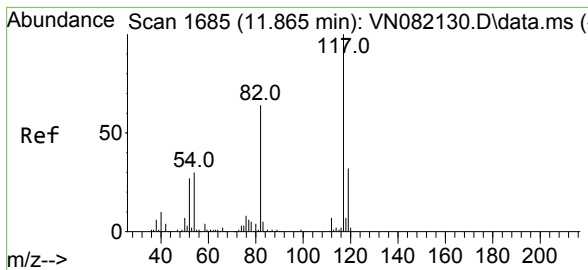
Tgt Ion: 43 Resp: 1002
Ion Ratio Lower Upper
43 100
58 23.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.071 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

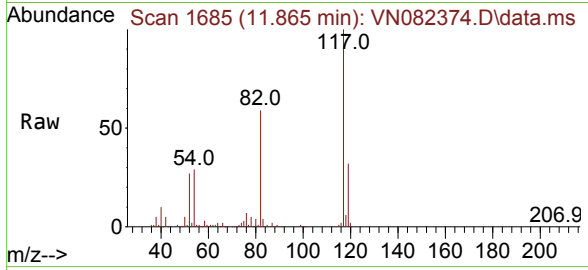
Tgt Ion: 95 Resp: 149981
Ion Ratio Lower Upper
95 100
174 75.9 0.0 160.6
176 73.0 0.0 152.8



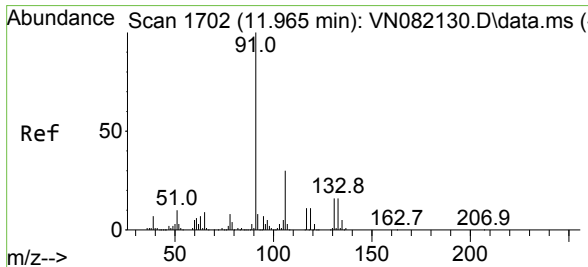
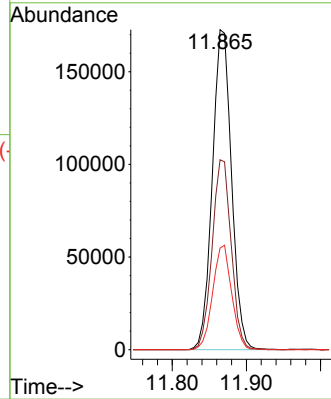
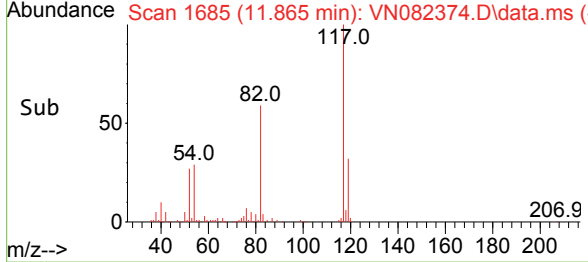


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

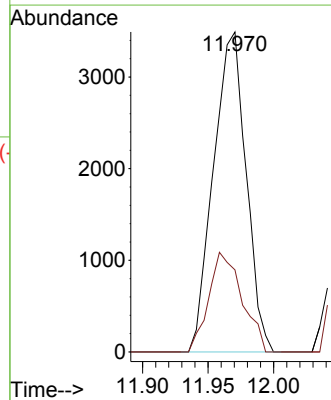
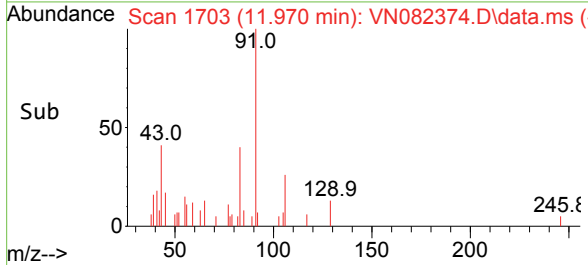
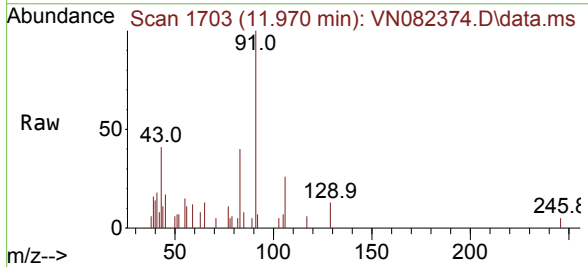


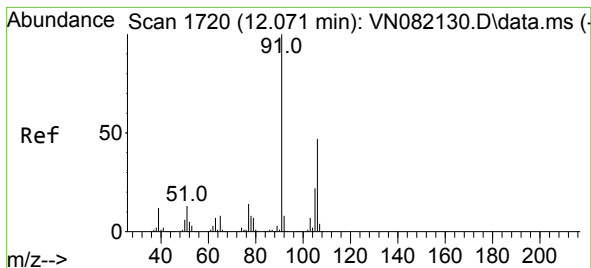
Tgt Ion:117 Resp: 310430
Ion Ratio Lower Upper
117 100
82 59.4 44.6 66.8
119 31.8 25.9 38.9



#67
Ethyl Benzene
Concen: 0.492 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion: 91 Resp: 6041
Ion Ratio Lower Upper
91 100
106 25.7 25.3 37.9

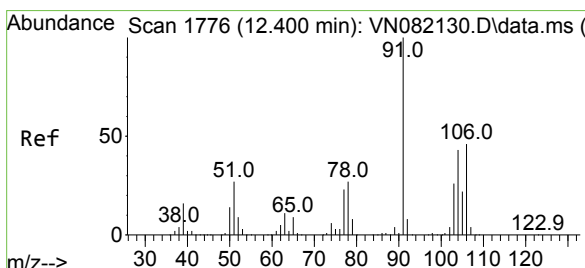
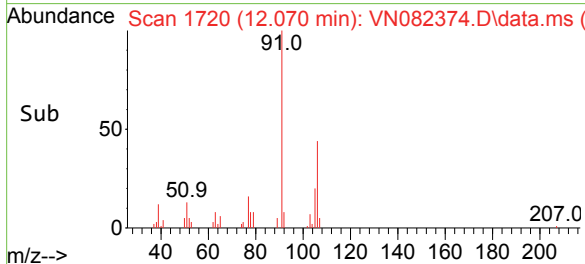
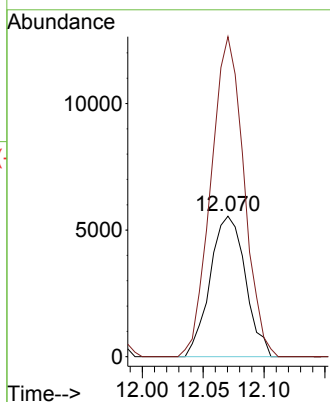
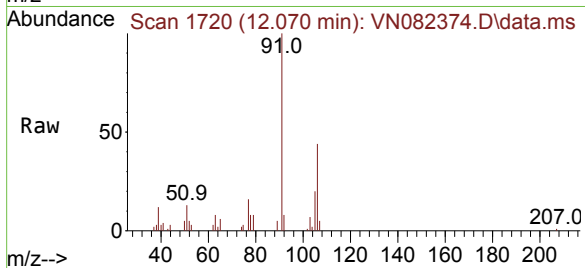




#68
m/p-Xylenes
Concen: 2.488 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

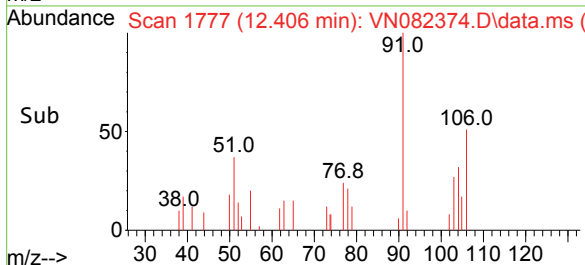
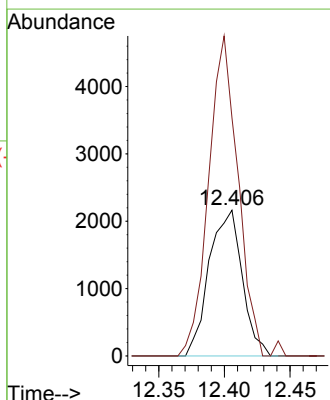
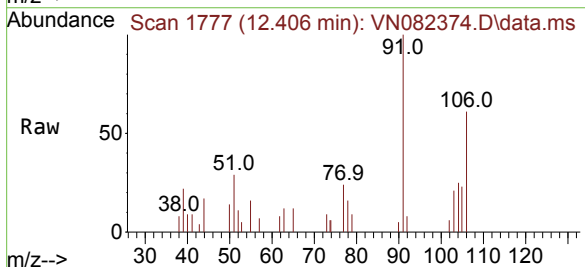
Instrument :
MSVOA_N
ClientSampleId :

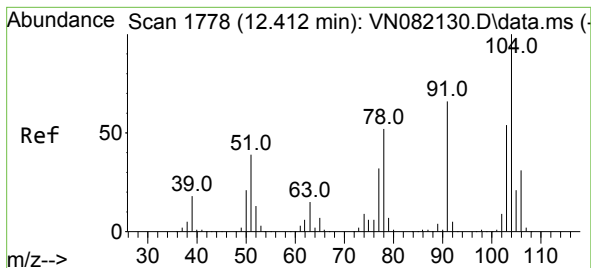
Tgt Ion:106 Resp: 11186
Ion Ratio Lower Upper
106 100
91 213.2 159.4 239.0



#69
o-Xylene
Concen: 0.872 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Tgt Ion:106 Resp: 3796
Ion Ratio Lower Upper
106 100
91 194.7 104.7 314.1





#70

Styrene

Concen: 0.318 ug/l

RT: 12.417 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082374.D

Acq: 29 May 2024 16:40

Instrument :

MSVOA_N

ClientSampleId :

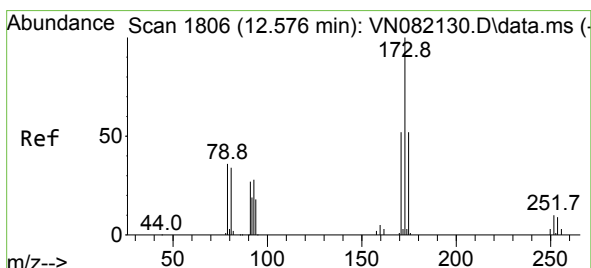
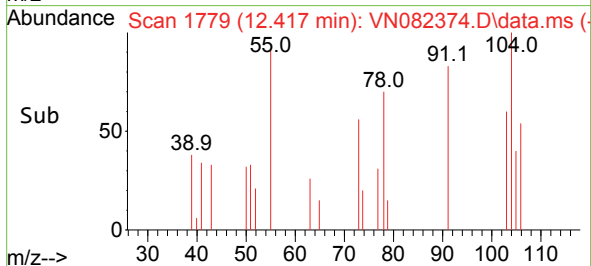
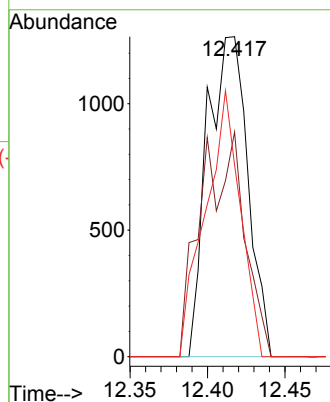
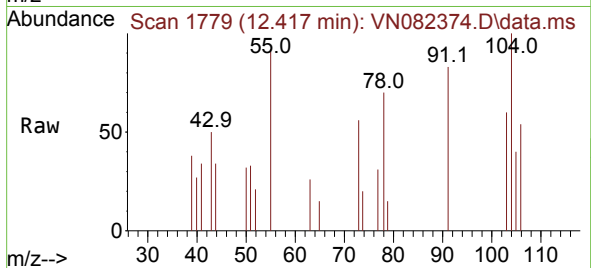
Tgt Ion:104 Resp: 2299

Ion Ratio Lower Upper

104 100

78 75.1 38.6 58.0#

103 71.6 43.8 65.6#



#71

Bromoform

Concen: 1.093 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082374.D

Acq: 29 May 2024 16:40

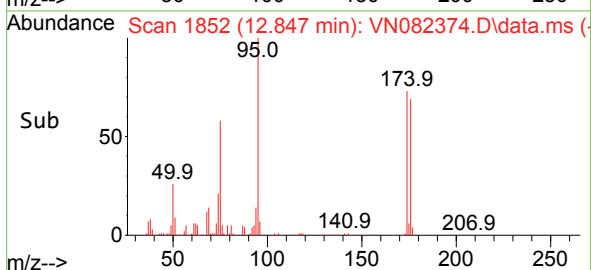
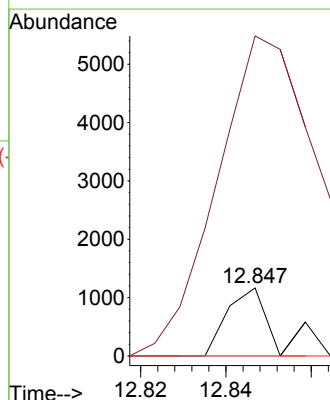
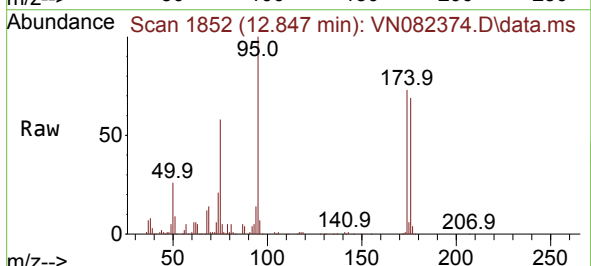
Tgt Ion:173 Resp: 715

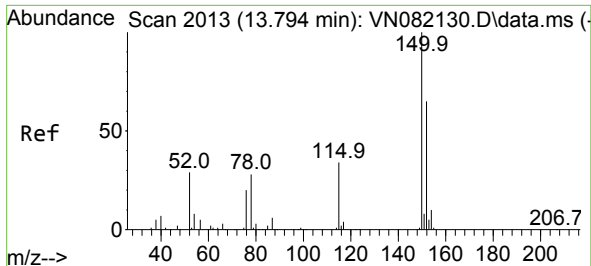
Ion Ratio Lower Upper

173 100

175 881.8 24.6 74.0#

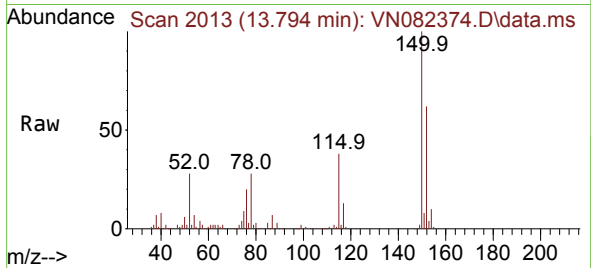
254 0.0 0.0 0.0



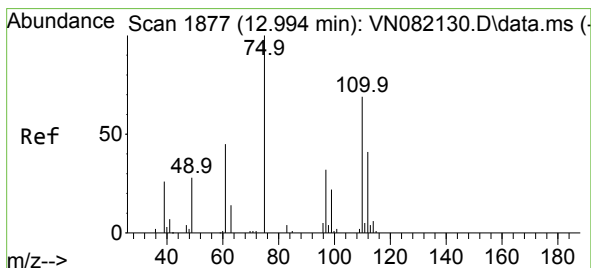
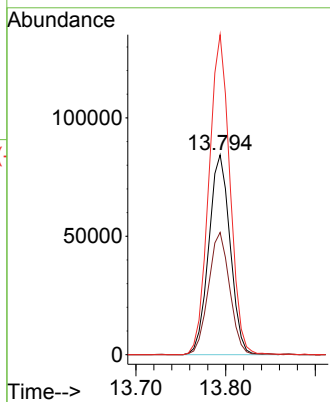
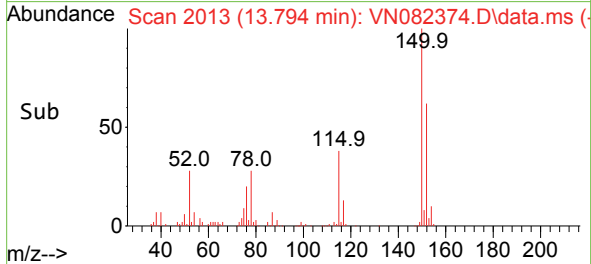


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

Instrument :
MSVOA_N
ClientSampleId :

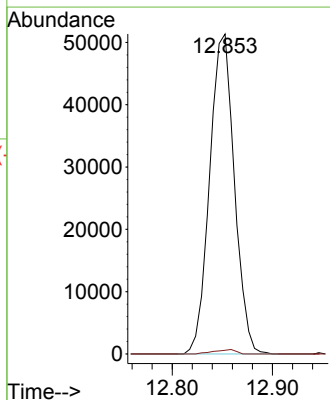
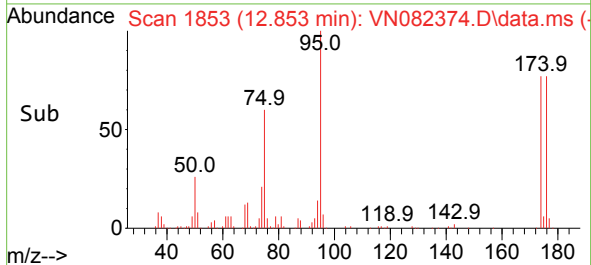
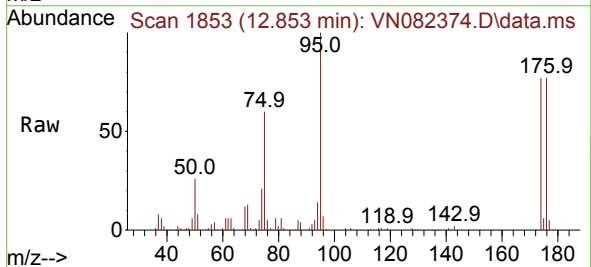


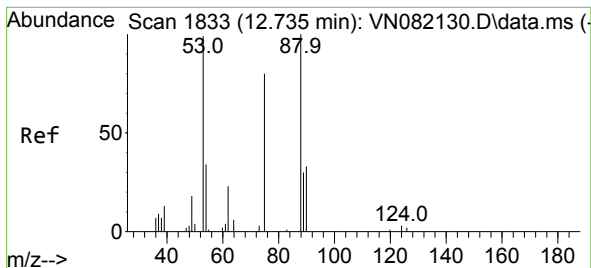
Tgt Ion:152 Resp: 139537
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 157.2 0.0 353.2



#76
1,2,3-Trichloropropane
Concen: 29.916 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

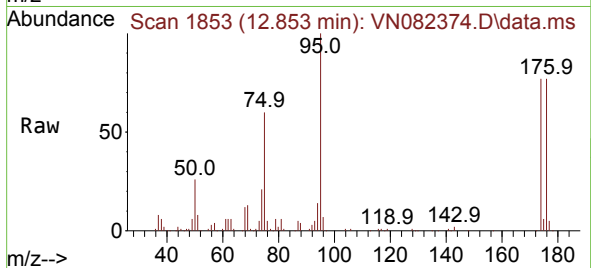
Tgt Ion: 75 Resp: 87861
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



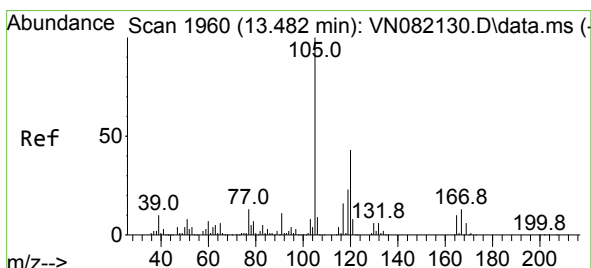
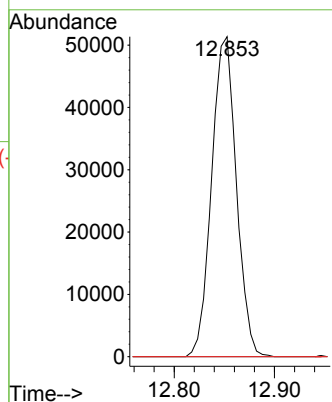
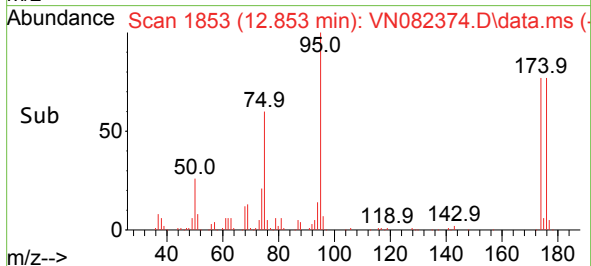


#81
trans-1,4-Dichloro-2-butene
Concen: 69.972 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40

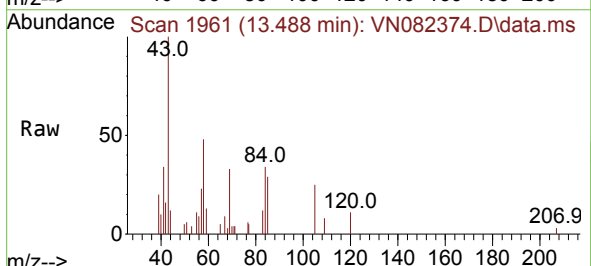
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 87861
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#84
1,2,4-Trimethylbenzene
Concen: 0.230 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN082374.D
Acq: 29 May 2024 16:40



Tgt Ion: 105 Resp: 2109
Ion Ratio Lower Upper
105 100
120 27.2 22.9 68.7

