

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
 Data File : VN082137.D
 Acq On : 15 May 2024 17:38
 Operator : JC\MD
 Sample : VN0515WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBL01

Quant Time: May 16 05:51:35 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)

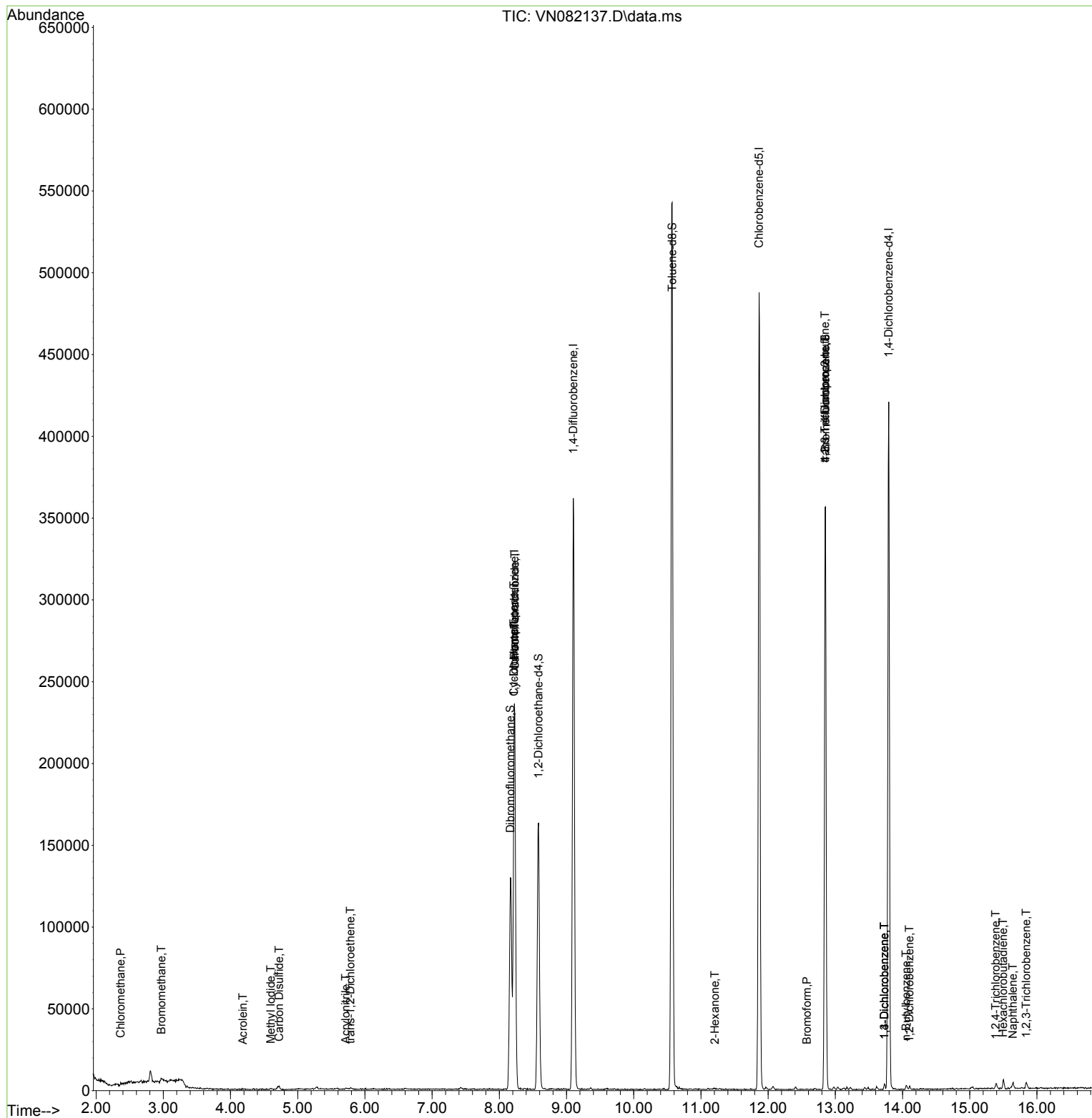
Internal Standards						
1) Pentafluorobenzene	8.224	168	162215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135817	53.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	8.165	113	91482	52.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.571	98	358829	53.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.853	95	117071	49.062	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 98.120%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	693	0.261	ug/l #	43
5) Bromomethane	2.971	94	1384	0.966	ug/l #	80
10) Methyl Iodide	4.600	142	930	0.485	ug/l #	89
13) Acrolein	4.183	56	247	0.811	ug/l #	15
15) Acrylonitrile	5.712	53	275	0.258	ug/l #	1
17) Carbon Disulfide	4.724	76	3807	0.665	ug/l #	91
21) trans-1,2-Dichloroethene	5.783	96	410	0.212	ug/l #	13
28) Bromochloromethane	7.812	49	142	Below Cal	#	10
31) Cyclohexane	8.218	56	4964	1.213	ug/l #	40
36) 1,1-Dichloropropene	8.218	75	15773	5.393	ug/l #	49
38) Carbon Tetrachloride	8.230	117	18318	6.179	ug/l #	17
59) 2-Hexanone	11.206	43	563	0.233	ug/l #	51
71) Bromoform	12.576	173	56	0.738	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	68306	31.102	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68306	72.747	ug/l #	12
87) 1,3-Dichlorobenzene	13.729	146	1049	0.293	ug/l	81
88) 1,4-Dichlorobenzene	13.729	146	1049	0.287	ug/l	83
89) n-Butylbenzene	14.053	91	1955	0.329	ug/l	92
91) 1,2-Dichlorobenzene	14.100	146	960	0.283	ug/l	73
93) 1,2,4-Trichlorobenzene	15.388	180	1436	0.756	ug/l	95
94) Hexachlorobutadiene	15.494	225	1211	1.453	ug/l	95
95) Naphthalene	15.641	128	4639	0.780	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1612	0.848	ug/l	96

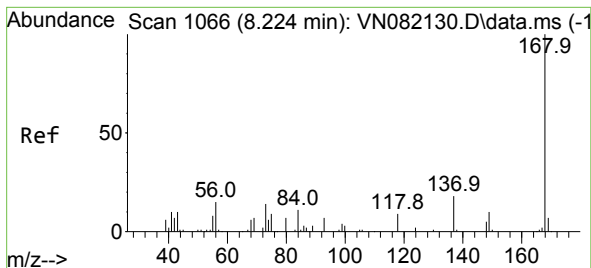
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051524\
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Sample : VN0515WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

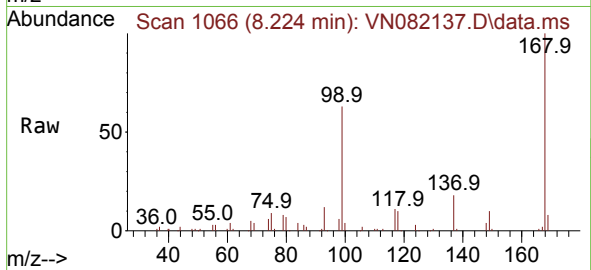
Quant Time: May 16 05:51:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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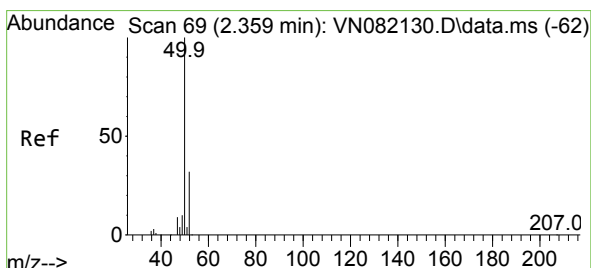
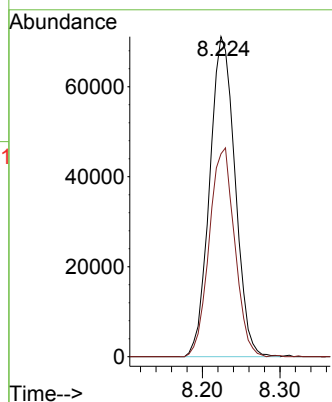
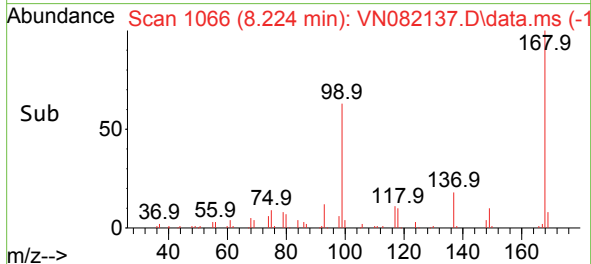


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

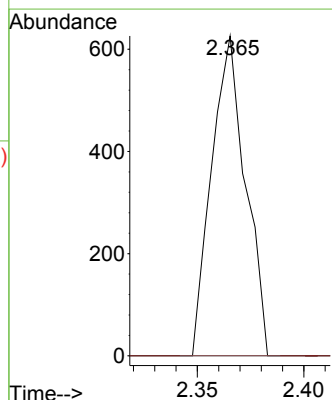
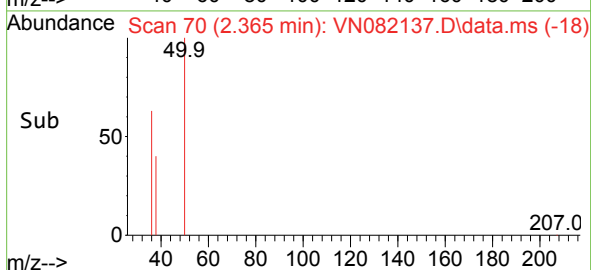
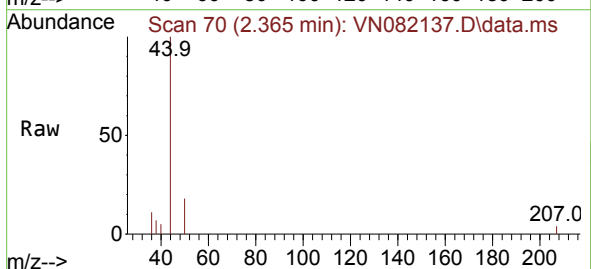


Tgt Ion:168 Resp: 162215
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion: 50 Resp: 693
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

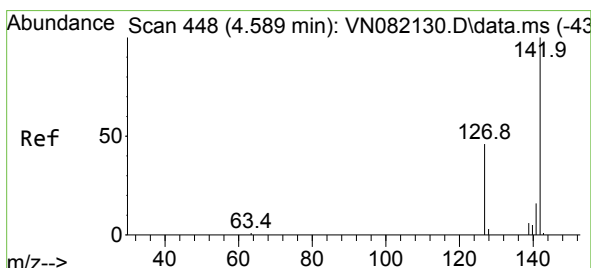
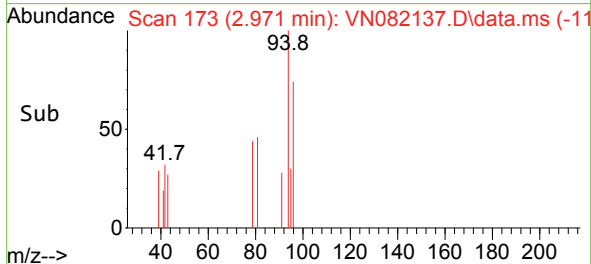
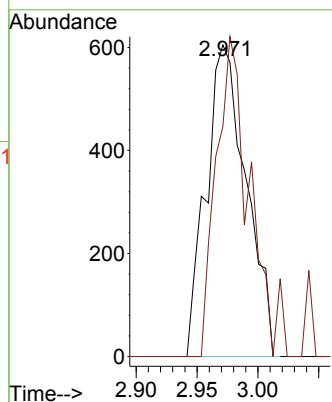
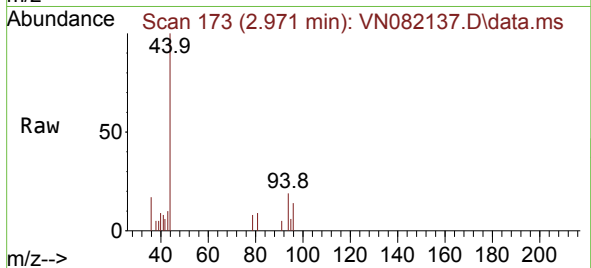




#5
Bromomethane
Concen: 0.966 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

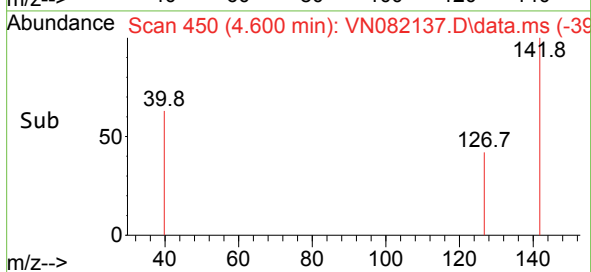
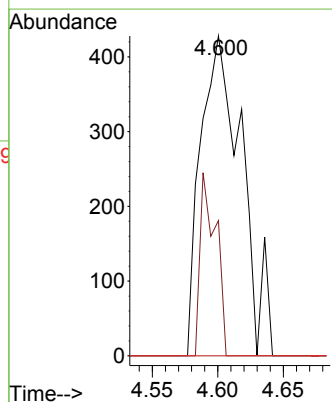
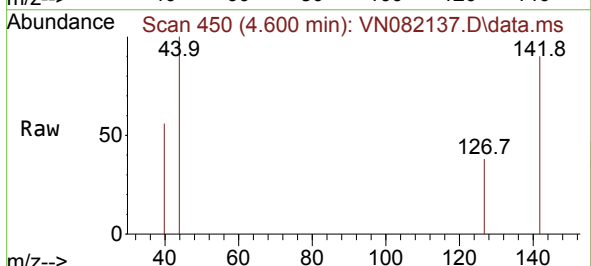
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

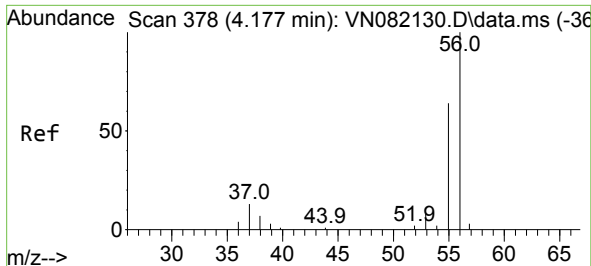
Tgt Ion: 94 Resp: 1384
Ion Ratio Lower Upper
94 100
96 73.9 74.8 112.2#



#10
Methyl Iodide
Concen: 0.485 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion: 142 Resp: 930
Ion Ratio Lower Upper
142 100
127 42.3 35.8 53.6
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.811 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

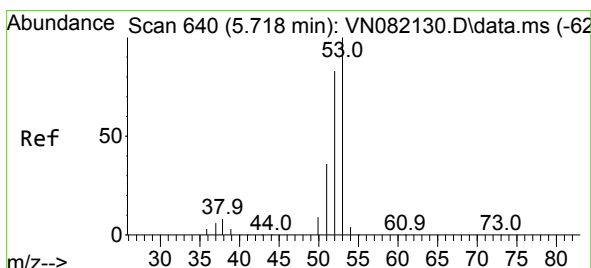
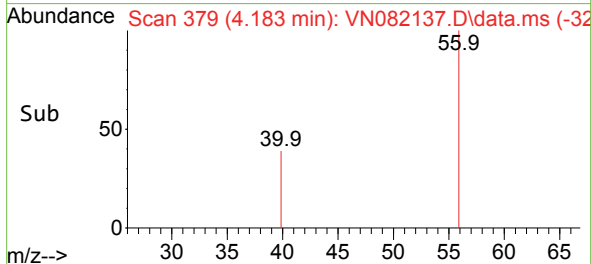
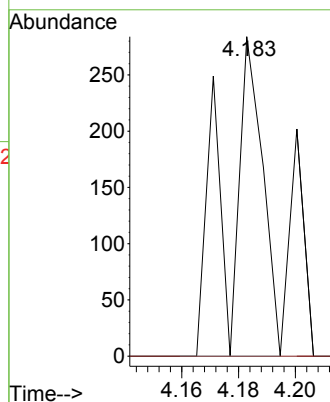
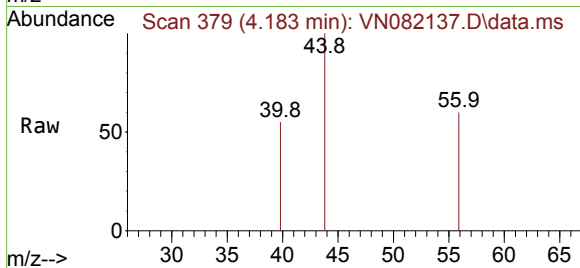
VN0515WBL01

Tgt Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#15

Acrylonitrile

Concen: 0.258 ug/l

RT: 5.712 min Scan# 639

Delta R.T. -0.006 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

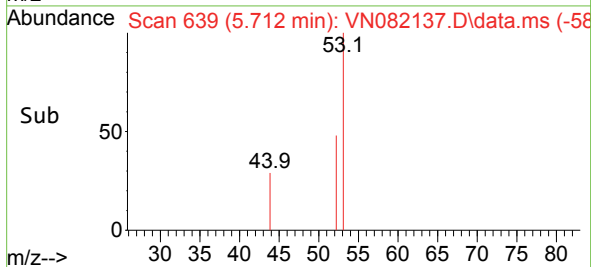
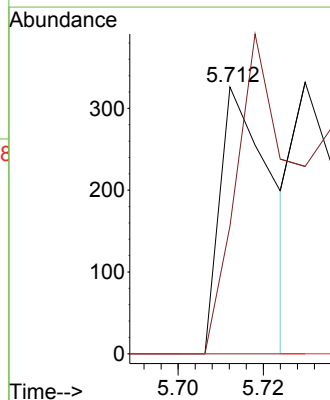
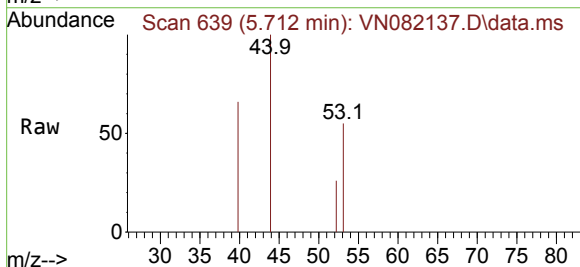
Tgt Ion: 53 Resp: 275

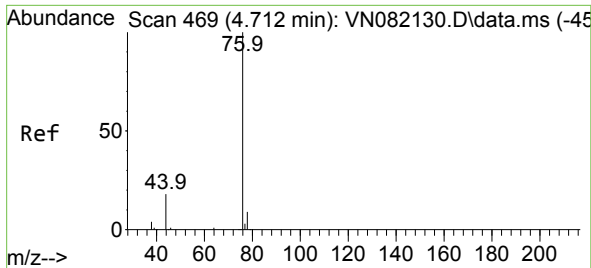
Ion Ratio Lower Upper

53 100

52 211.6 66.1 99.1#

51 0.0 29.4 44.2#





#17

Carbon Disulfide

Concen: 0.665 ug/l

RT: 4.724 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

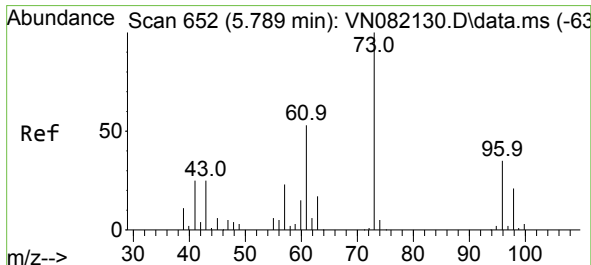
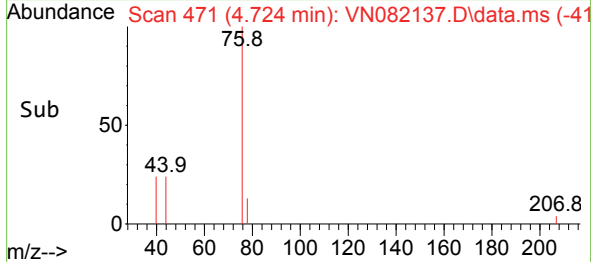
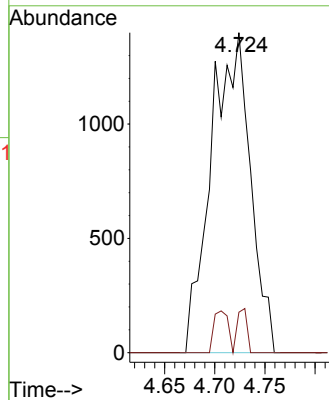
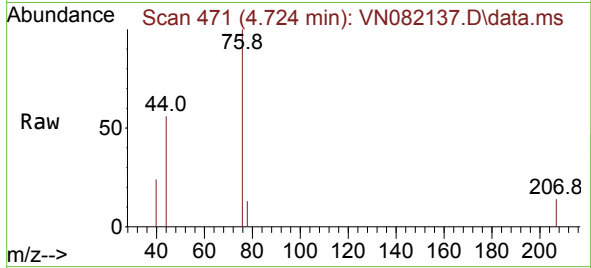
VN0515WBL01

Tgt Ion: 76 Resp: 3807

Ion Ratio Lower Upper

76 100

78 12.6 7.5 11.3#



#21

trans-1,2-Dichloroethene

Concen: 0.212 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.006 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

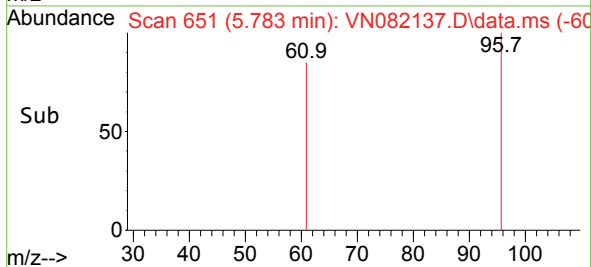
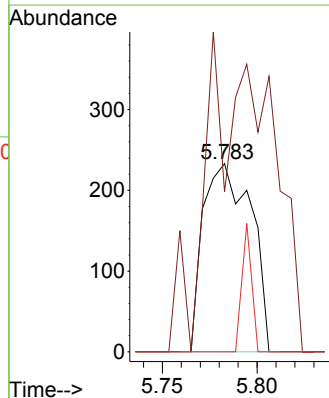
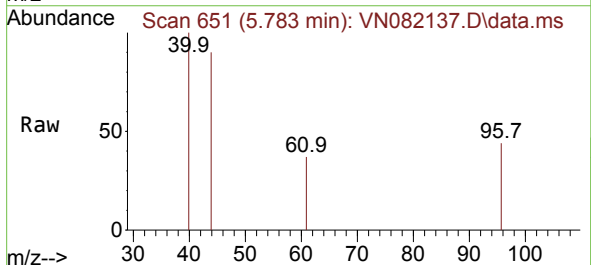
Tgt Ion: 96 Resp: 410

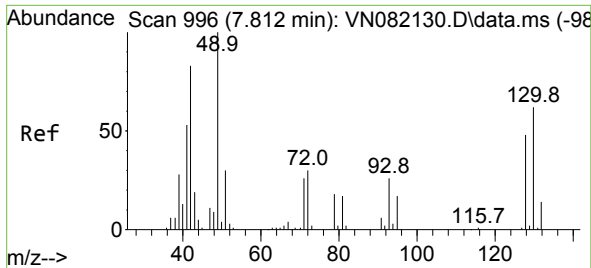
Ion Ratio Lower Upper

96 100

61 20.6 96.5 144.7#

98 0.0 51.3 76.9#

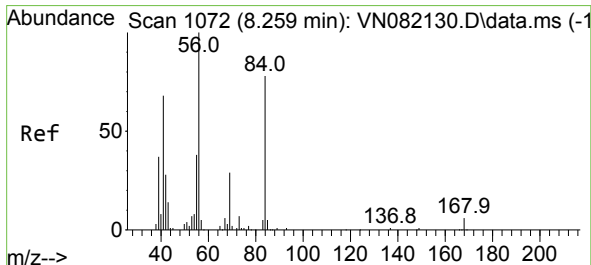
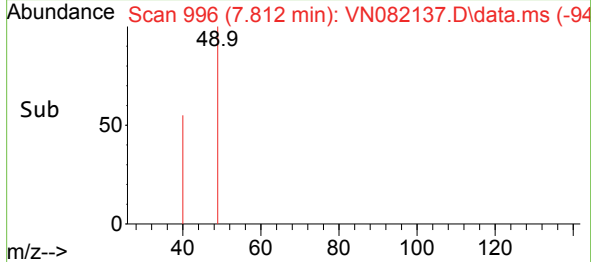
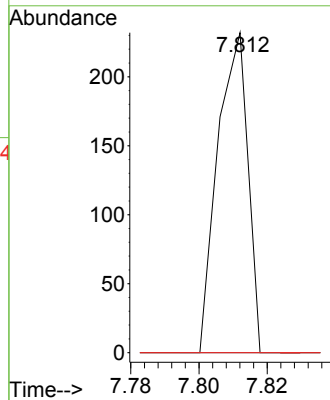
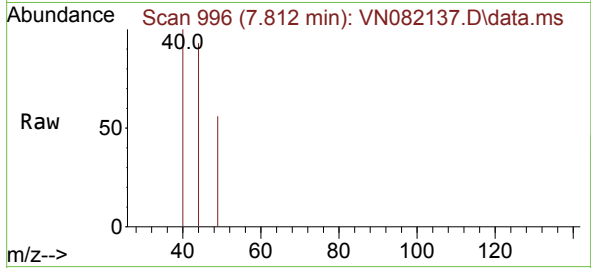




#28
Bromochloromethane
Concen: Below Cal
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

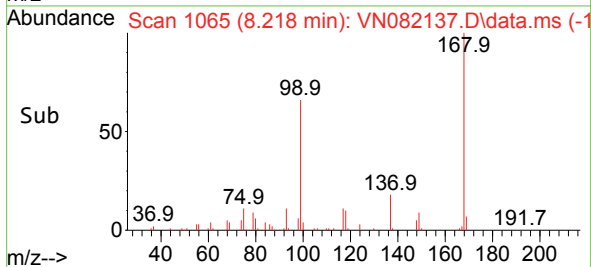
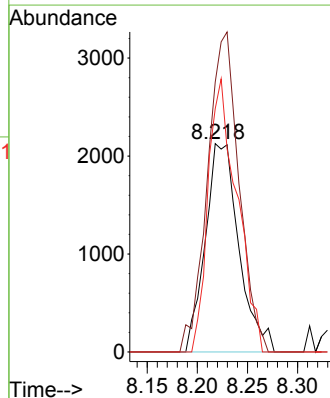
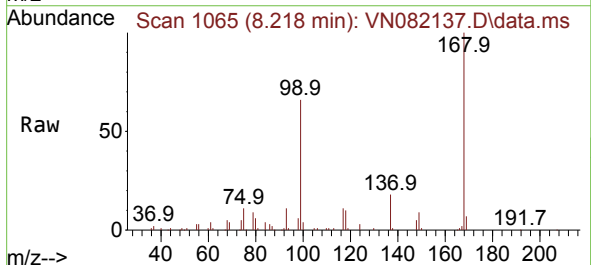
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

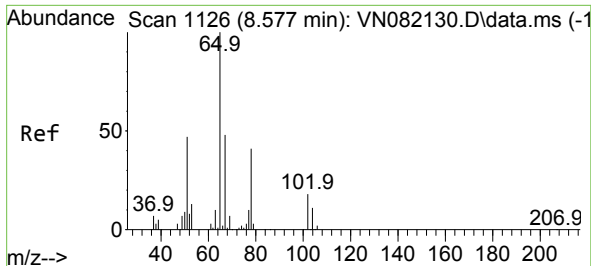
Tgt Ion: 49 Resp: 142
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 66.7 100.1#



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion: 56 Resp: 4964
Ion Ratio Lower Upper
56 100
69 129.5 24.4 36.6#
84 116.8 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.024 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

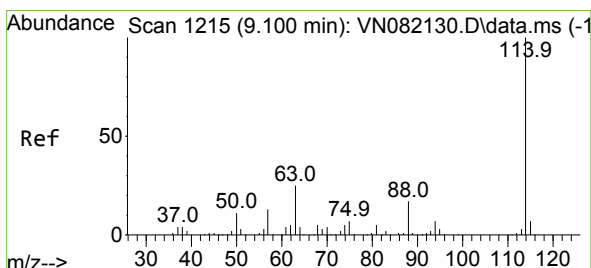
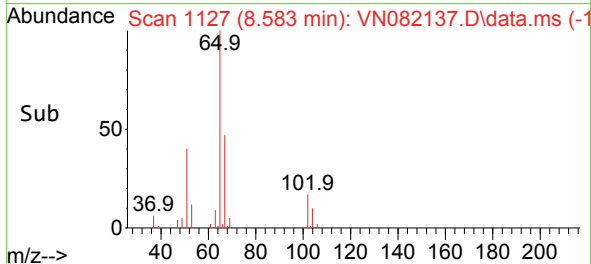
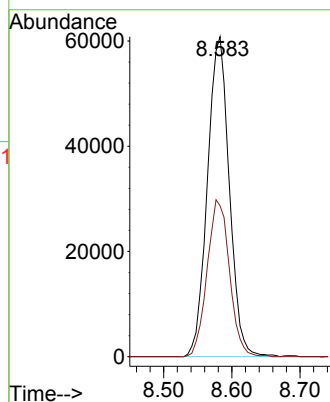
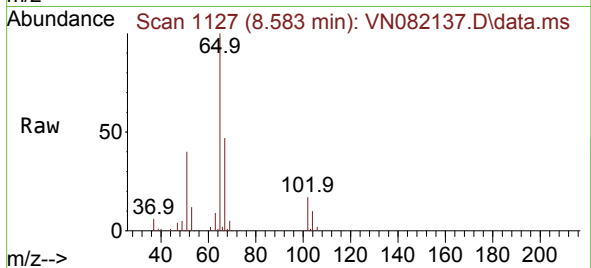
VN0515WBL01

Tgt Ion: 65 Resp: 135817

Ion Ratio Lower Upper

65 100

67 50.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

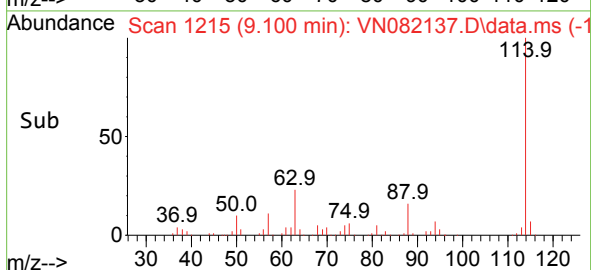
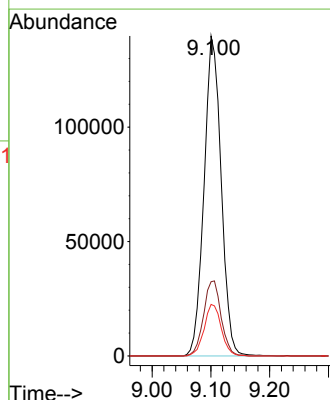
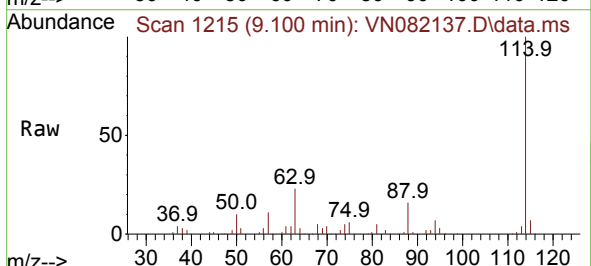
Tgt Ion: 114 Resp: 283464

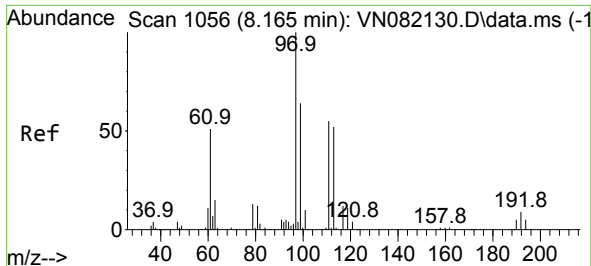
Ion Ratio Lower Upper

114 100

63 23.2 0.0 41.0

88 16.1 0.0 31.4

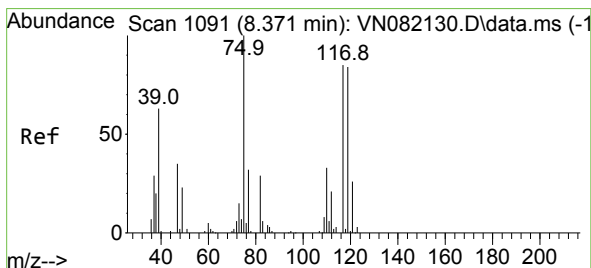
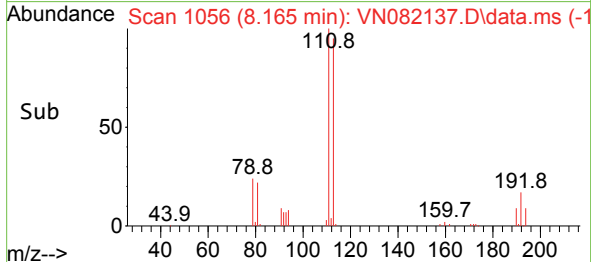
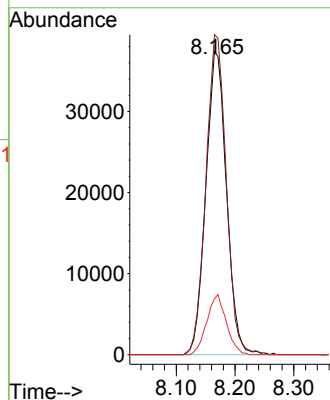
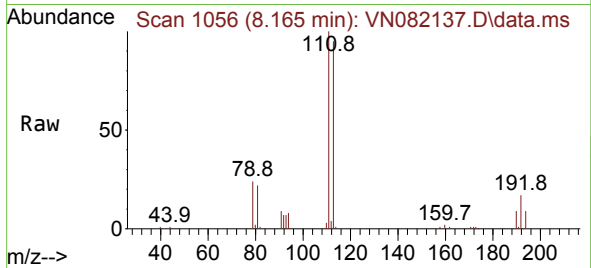




#35
Dibromofluoromethane
Concen: 52.463 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

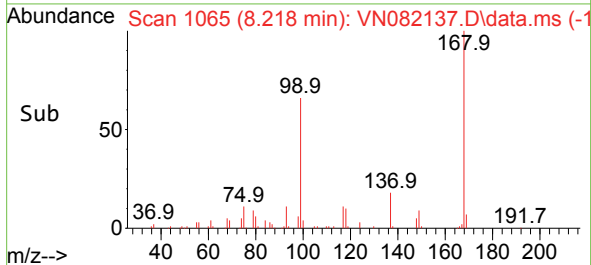
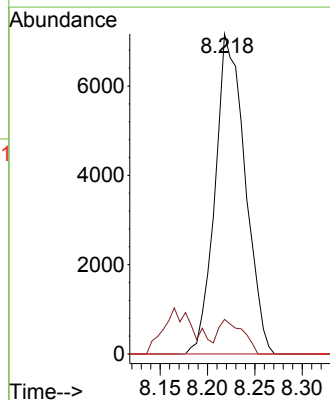
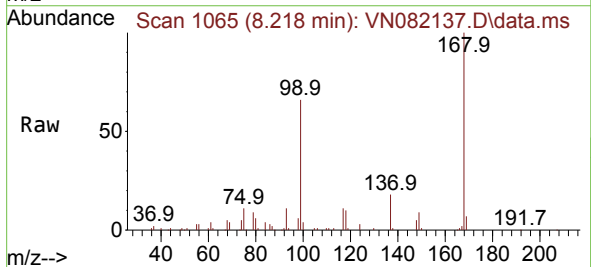
Instrument :
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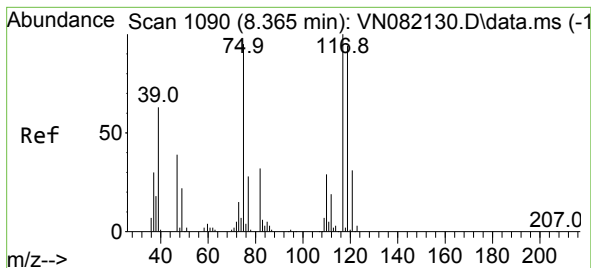
Tgt Ion:113 Resp: 91482
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 18.7 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.393 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion: 75 Resp: 15773
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.179 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082137.D

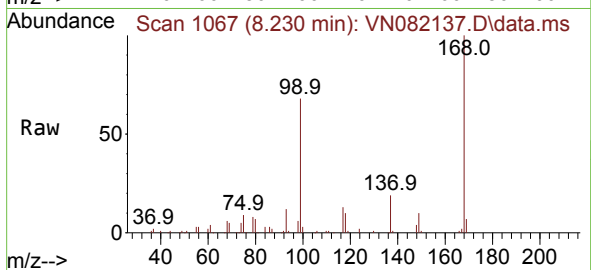
Acq: 15 May 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBL01



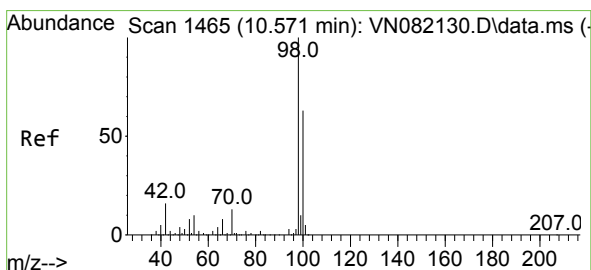
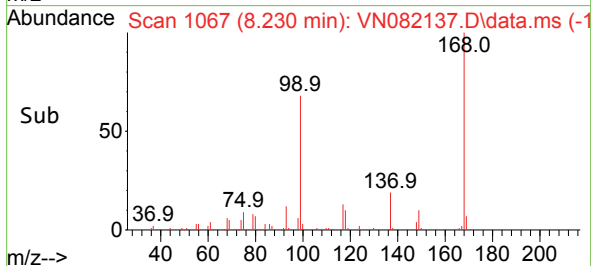
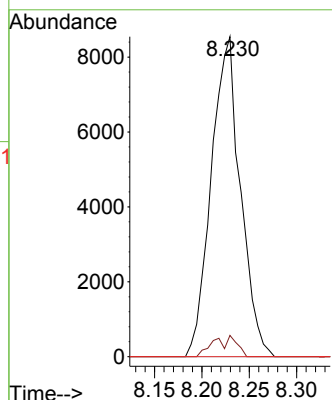
Tgt Ion:117 Resp: 18318

Ion Ratio Lower Upper

117 100

119 6.6 76.5 114.7#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 53.674 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082137.D

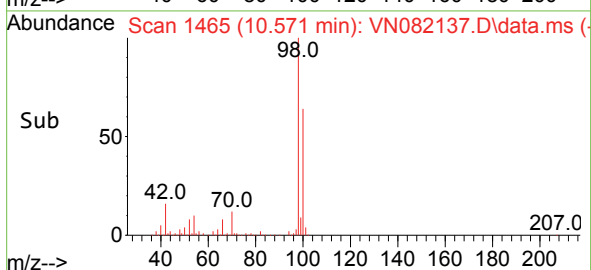
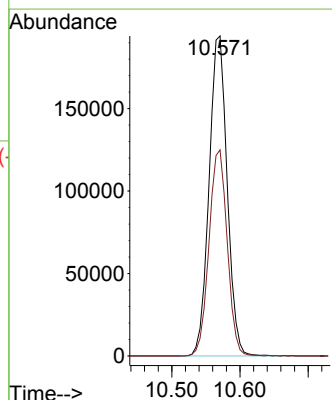
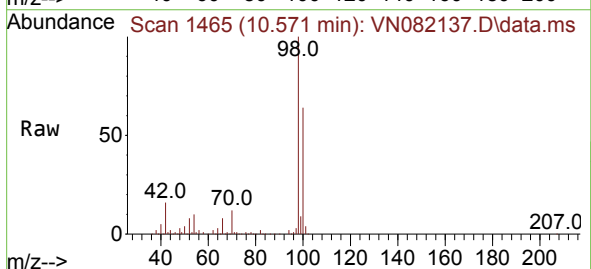
Acq: 15 May 2024 17:38

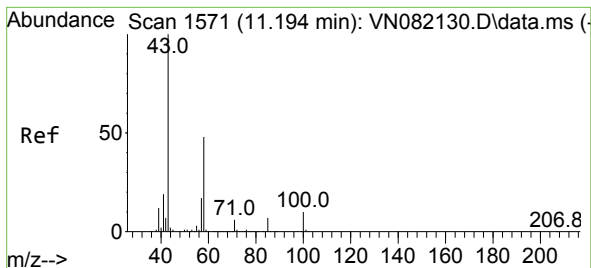
Tgt Ion: 98 Resp: 358829

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

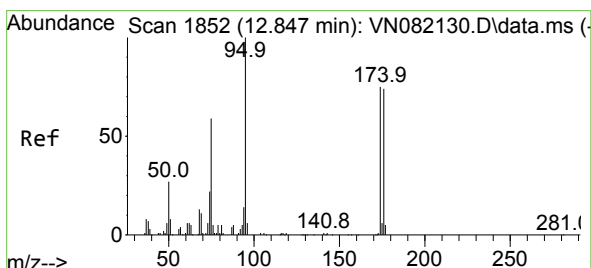
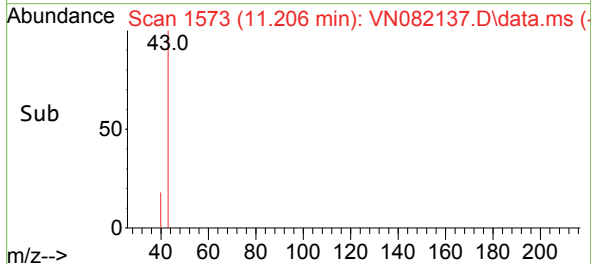
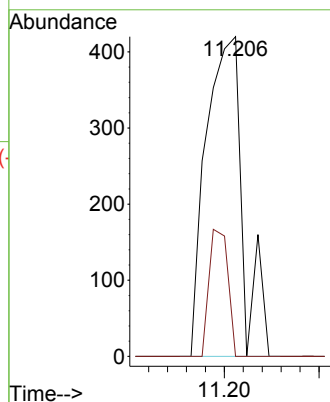
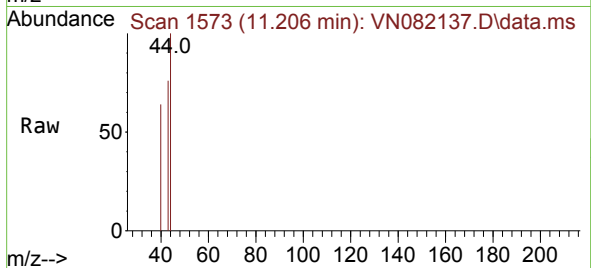




#59
2-Hexanone
Concen: 0.233 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

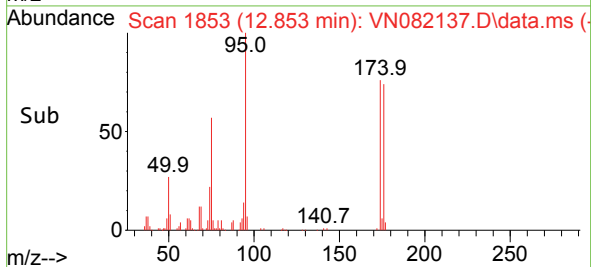
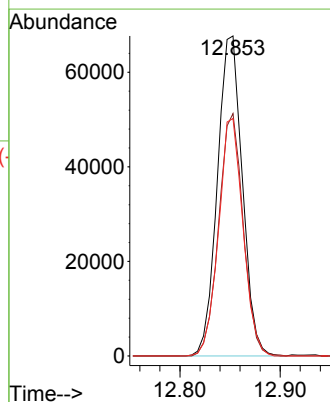
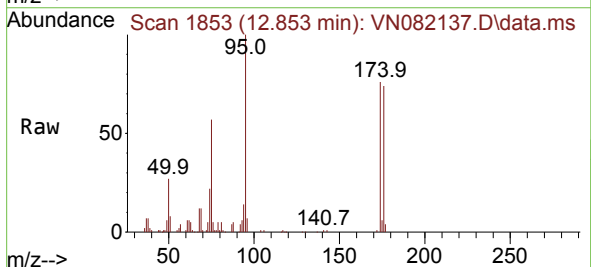
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

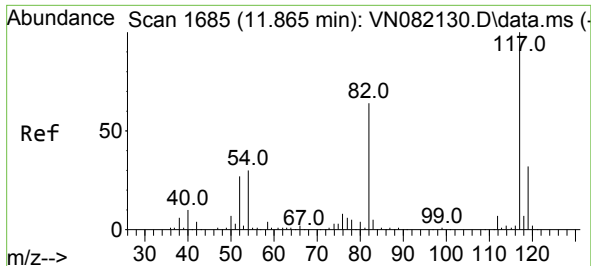
Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
58 20.4 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 49.062 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion: 95 Resp: 117071
Ion Ratio Lower Upper
95 100
174 74.1 0.0 160.6
176 72.6 0.0 152.8

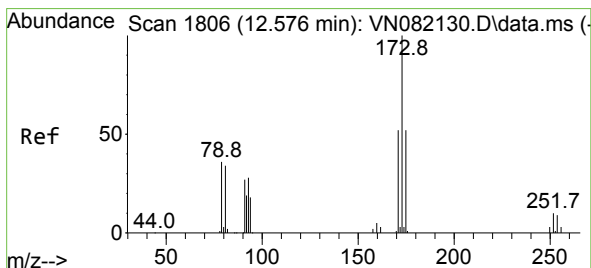
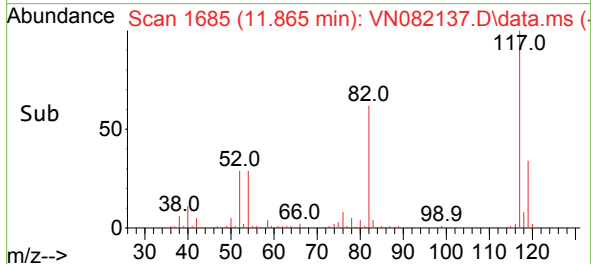
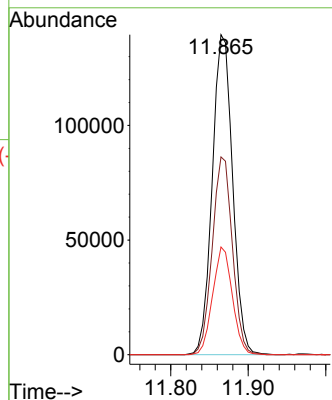
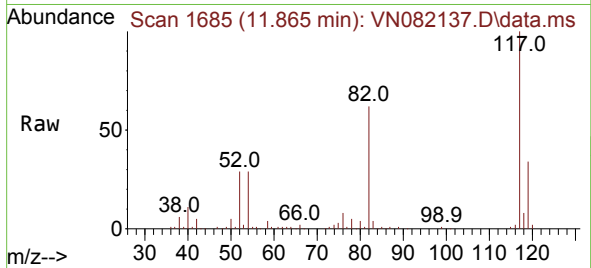




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

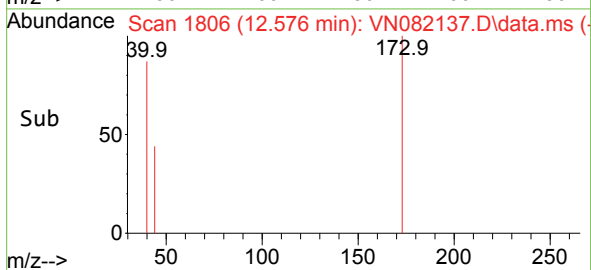
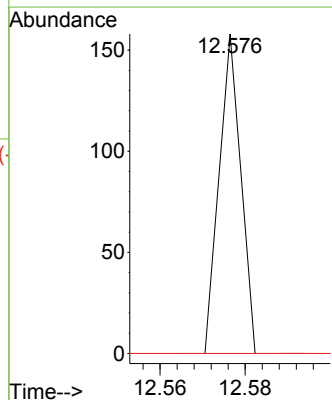
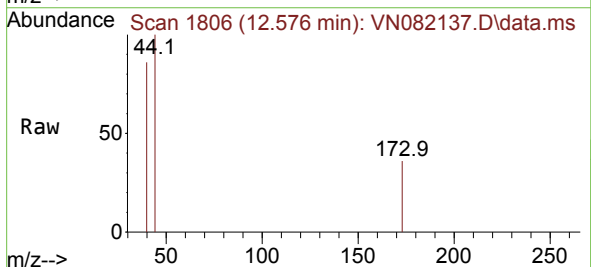
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

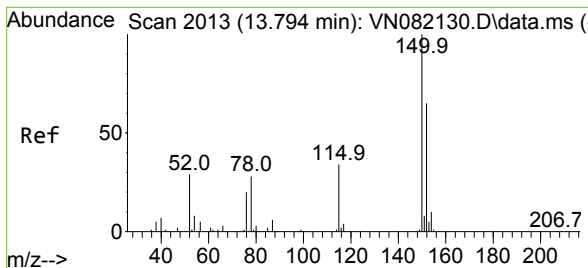
Tgt Ion:117 Resp: 254785
Ion Ratio Lower Upper
117 100
82 61.8 44.6 66.8
119 33.6 25.9 38.9



#71
Bromoform
Concen: 0.738 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion:173 Resp: 56
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0

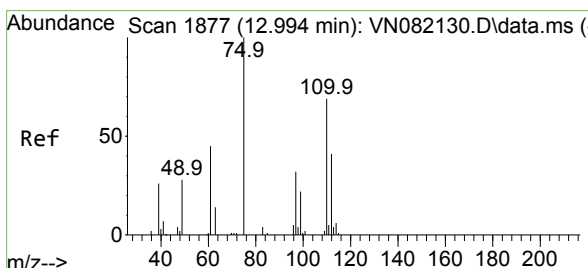
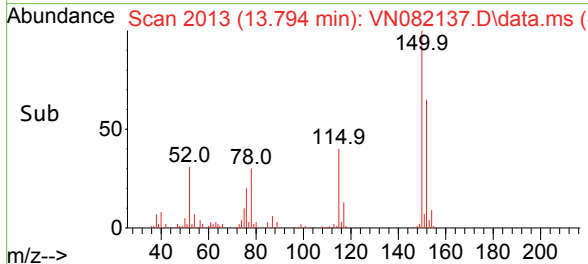
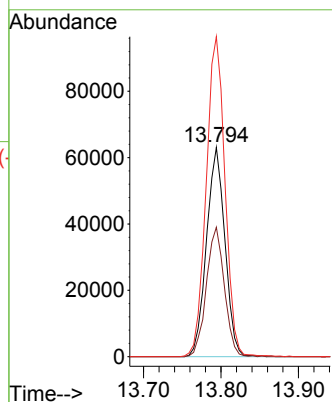
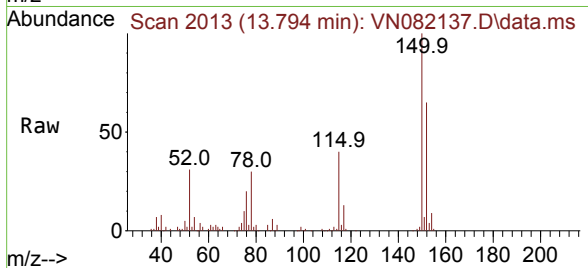




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082137.D
 Acq: 15 May 2024 17:38

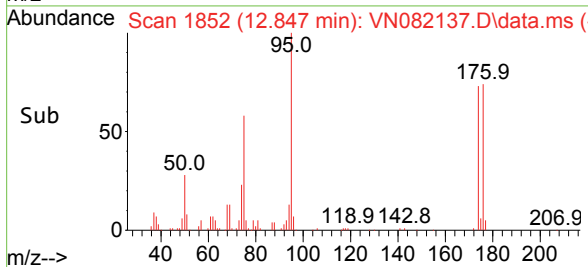
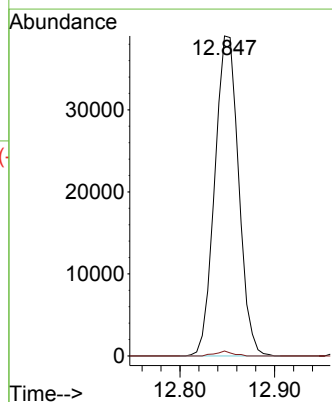
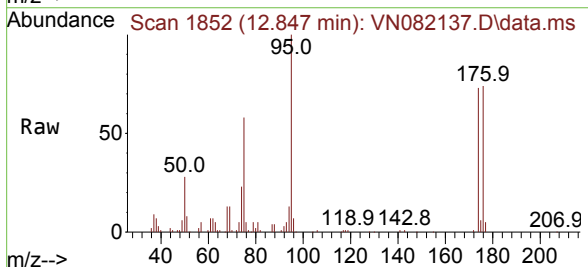
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBL01

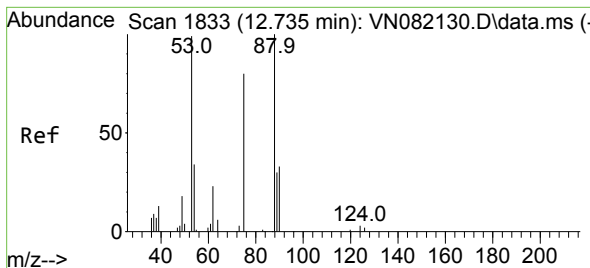
Tgt Ion:152 Resp: 104343
 Ion Ratio Lower Upper
 152 100
 115 60.3 30.4 91.3
 150 155.7 0.0 353.2



#76
 1,2,3-Trichloropropane
 Concen: 31.102 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN082137.D
 Acq: 15 May 2024 17:38

Tgt Ion: 75 Resp: 68306
 Ion Ratio Lower Upper
 75 100
 77 1.1 90.5 271.3#

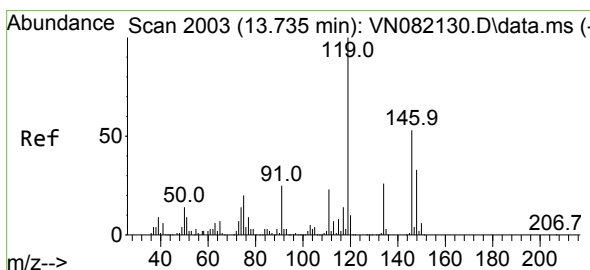
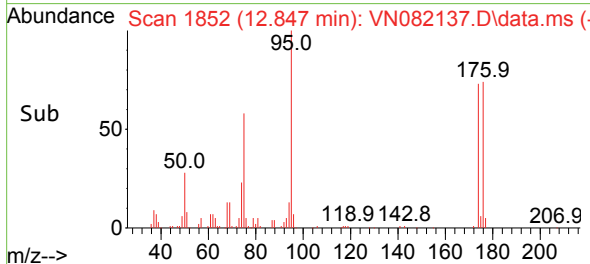
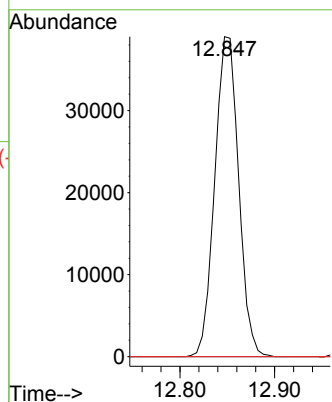
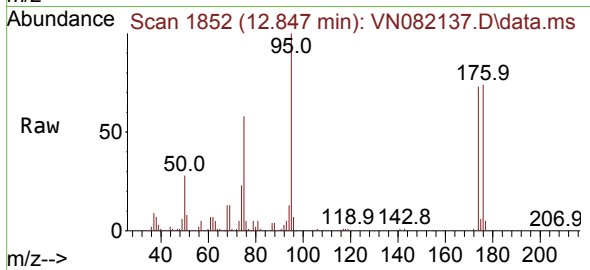




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.747 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN082137.D
 Acq: 15 May 2024 17:38

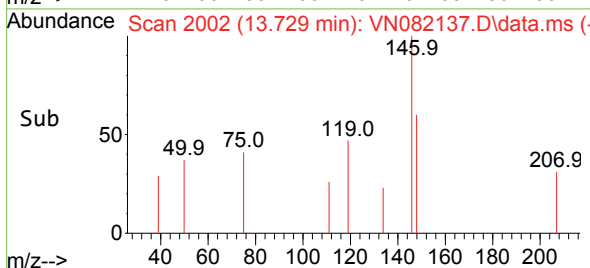
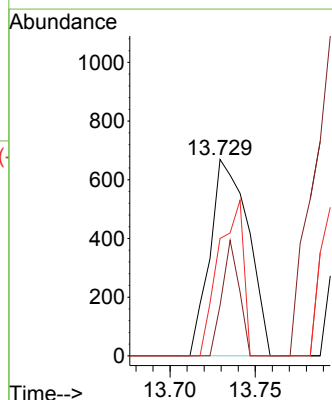
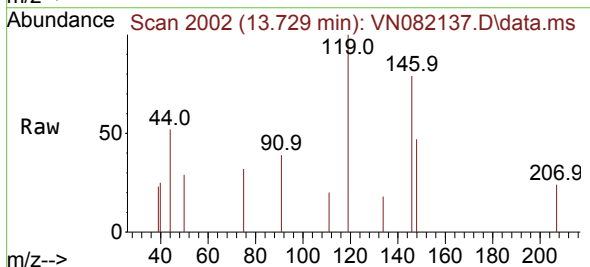
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBL01

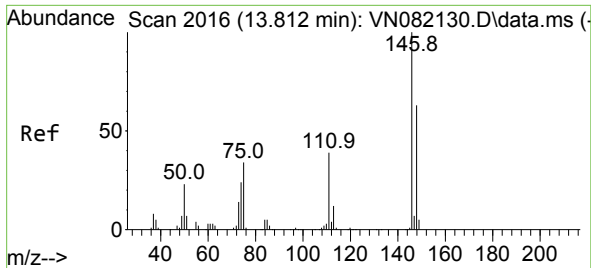
Tgt Ion: 75 Resp: 68306
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#



#87
 1,3-Dichlorobenzene
 Concen: 0.293 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN082137.D
 Acq: 15 May 2024 17:38

Tgt Ion: 146 Resp: 1049
 Ion Ratio Lower Upper
 146 100
 111 26.4 20.8 62.5
 148 51.4 32.1 96.3

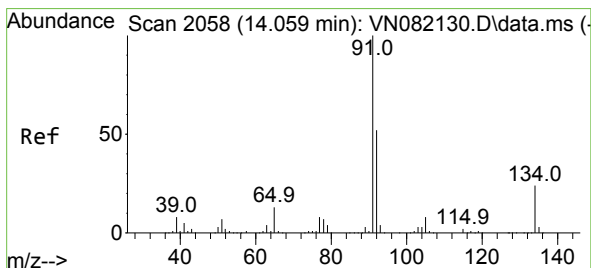
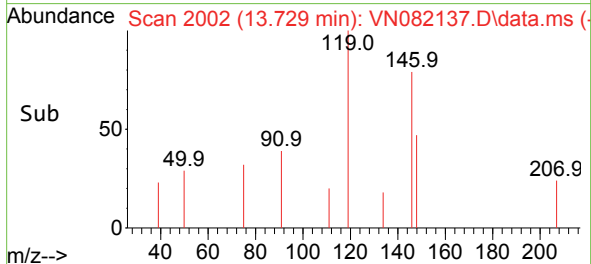
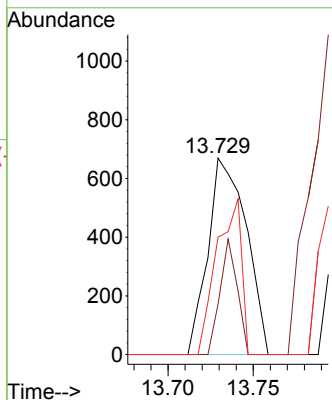
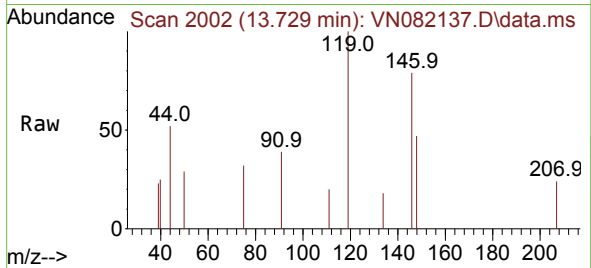




#88
1,4-Dichlorobenzene
Concen: 0.287 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

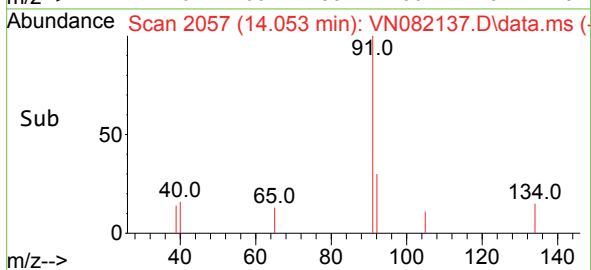
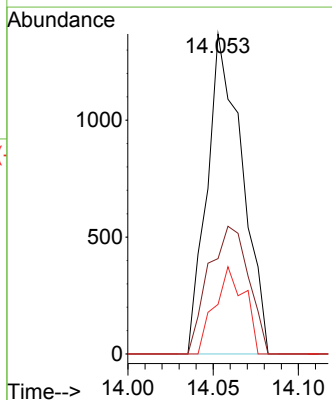
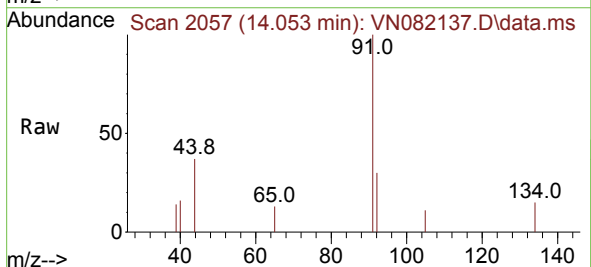
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

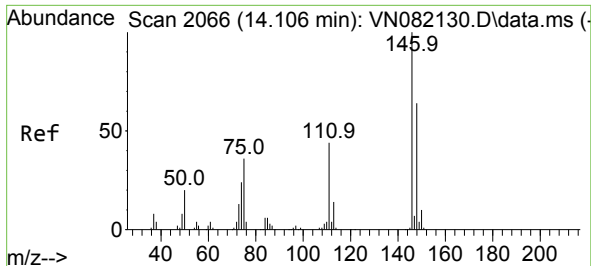
Tgt Ion:	146	Resp:	1049
Ion	Ratio	Lower	Upper
146	100		
111	26.4	19.3	57.9
148	51.4	31.3	93.9



#89
n-Butylbenzene
Concen: 0.329 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion:	91	Resp:	1955
Ion	Ratio	Lower	Upper
91	100		
92	45.7	26.2	78.5
134	23.2	13.2	39.5

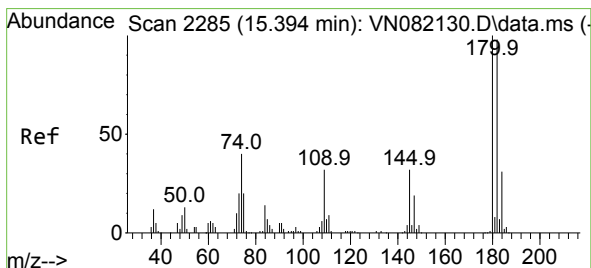
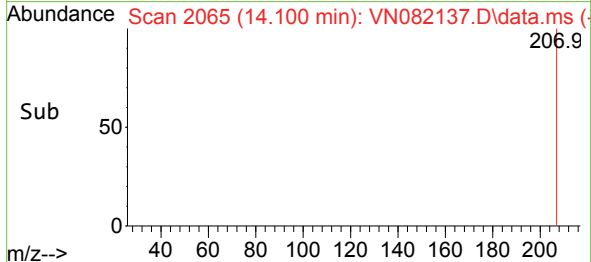
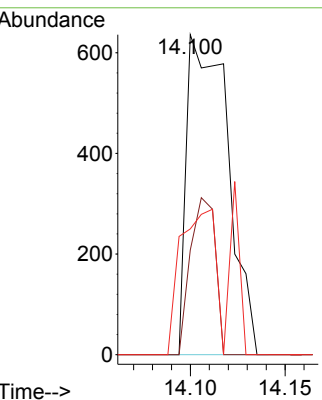
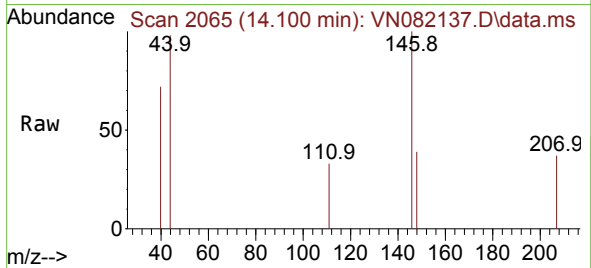




#91
1,2-Dichlorobenzene
Concen: 0.283 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

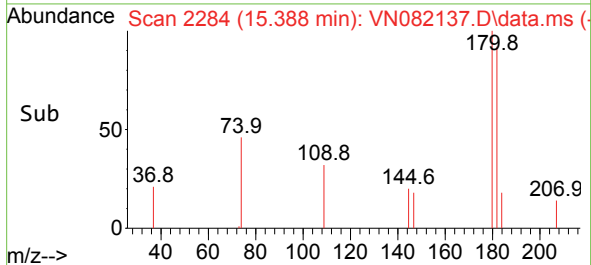
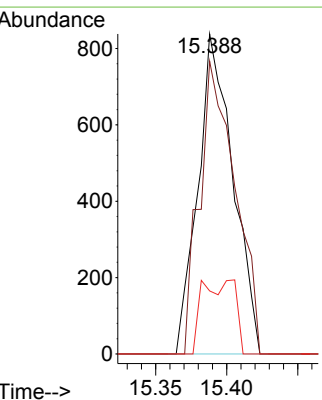
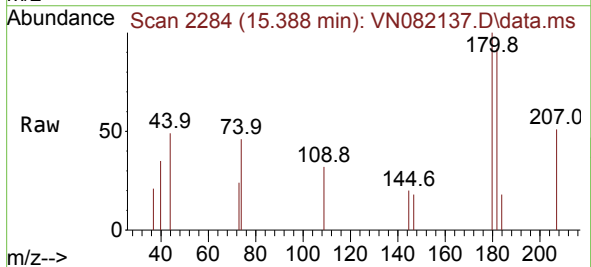
Instrument :
MSVOA_N
ClientSampleId :
VN0515WBL01

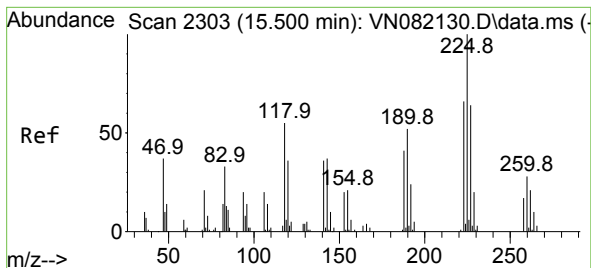
Tgt Ion:146	Resp:	960
Ion Ratio	Lower	Upper
146	100	
111	29.8	21.3 64.0
148	38.8	31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 0.756 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN082137.D
Acq: 15 May 2024 17:38

Tgt Ion:180	Resp:	1436
Ion Ratio	Lower	Upper
180	100	
182	93.1	46.7 140.0
145	22.1	16.2 48.6





#94

Hexachlorobutadiene

Concen: 1.453 ug/l

RT: 15.494 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN0515WBL01

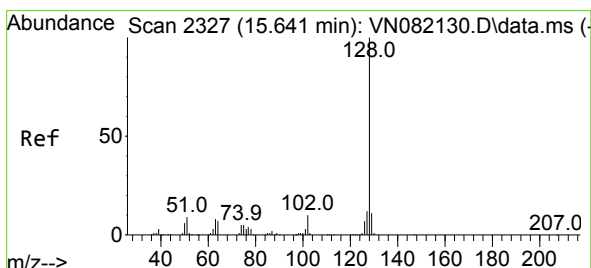
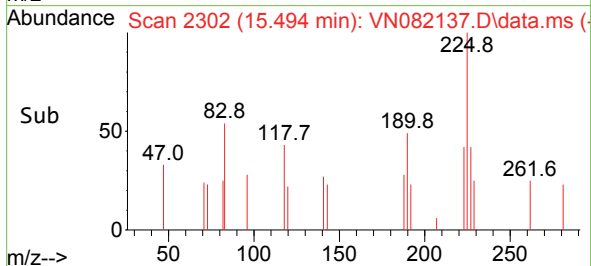
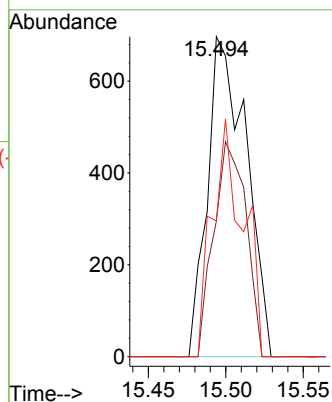
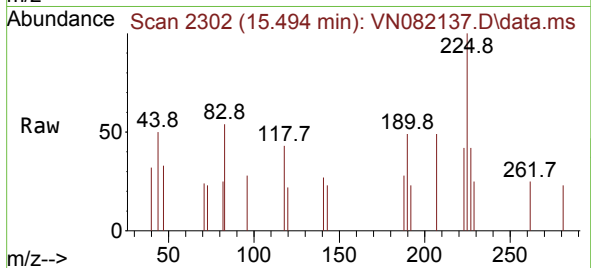
Tgt Ion:225 Resp: 1211

Ion Ratio Lower Upper

225 100

223 56.0 31.1 93.2

227 58.8 30.6 91.6



#95

Naphthalene

Concen: 0.780 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN082137.D

Acq: 15 May 2024 17:38

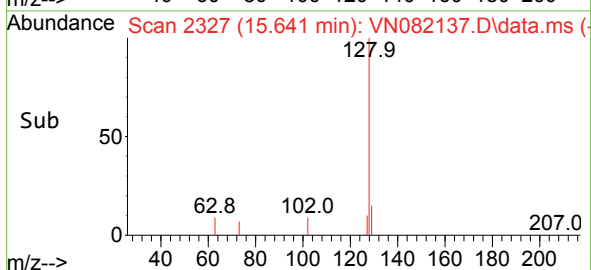
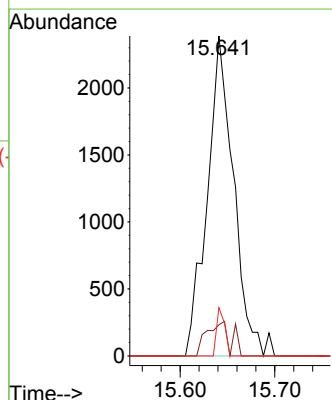
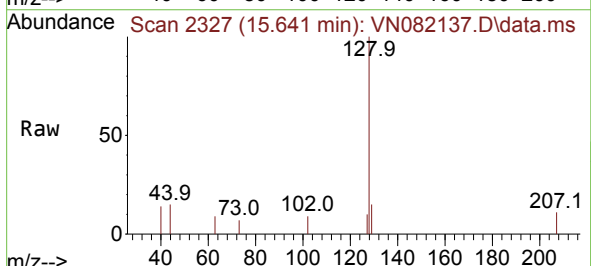
Tgt Ion:128 Resp: 4639

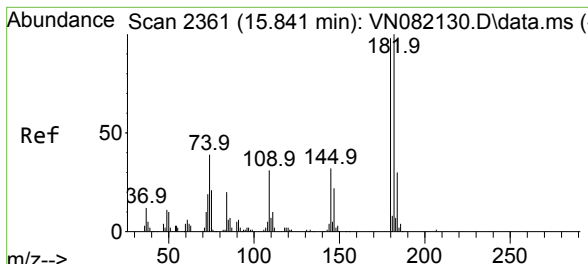
Ion Ratio Lower Upper

128 100

127 9.7 10.1 15.1#

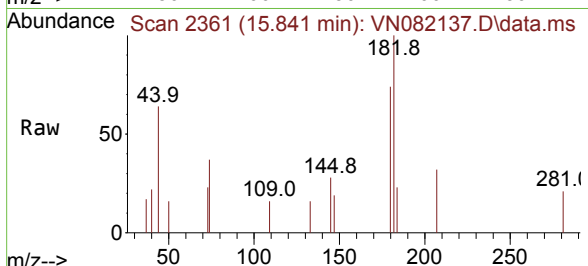
129 4.6 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.848 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082137.D
 Acq: 15 May 2024 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0515WBL01



Tgt Ion:	180	Resp:	1612
Ion	Ratio	Lower	Upper
180	100		
182	90.0	46.0	137.8
145	29.8	17.1	51.3

