

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
 Data File : VN084429.D
 Acq On : 21 Oct 2024 12:12
 Operator : JC\MD
 Sample : VN1021MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01

Quant Time: Oct 22 07:53:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

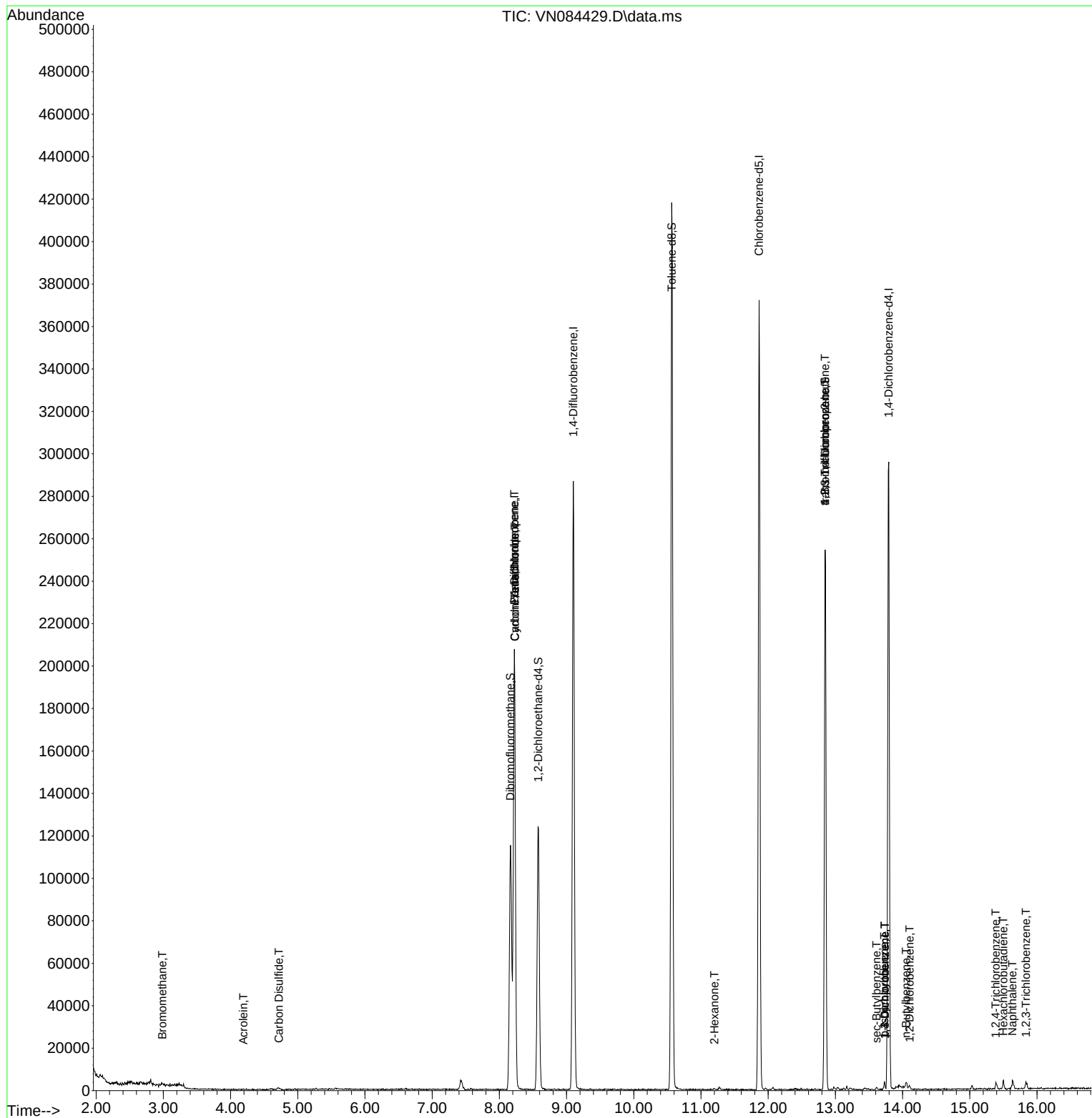
Internal Standards						
1) Pentafluorobenzene	8.224	168	143736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	244554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	81760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	104221	48.904	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.800%
35) Dibromofluoromethane	8.165	113	83978	52.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.180%
50) Toluene-d8	10.565	98	292404	49.296	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.847	95	90779	42.009	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.020%
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	507	0.409	ug/l #	62
13) Acrolein	4.189	56	128	0.317	ug/l #	65
17) Carbon Disulfide	4.718	76	2049	0.400	ug/l #	75
31) Cyclohexane	8.229	56	3416	1.082	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	12207	5.213	ug/l #	49
38) Carbon Tetrachloride	8.229	117	16356	6.367	ug/l #	16
59) 2-Hexanone	11.200	43	488	0.285	ug/l	78
76) 1,2,3-Trichloropropane	12.847	75	47032	28.177	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	47032	67.553	ug/l #	11
85) sec-Butylbenzene	13.611	105	1239	0.205	ug/l #	57
86) p-Isopropyltoluene	13.729	119	1227	0.246	ug/l #	81
87) 1,3-Dichlorobenzene	13.735	146	791	0.280	ug/l	79
88) 1,4-Dichlorobenzene	13.735	146	791	0.277	ug/l	79
89) n-Butylbenzene	14.053	91	1886	0.417	ug/l	92
91) 1,2-Dichlorobenzene	14.106	146	812	0.293	ug/l	82
93) 1,2,4-Trichlorobenzene	15.388	180	1196	0.877	ug/l	95
94) Hexachlorobutadiene	15.500	225	1045	1.537	ug/l	85
95) Naphthalene	15.635	128	4316	0.955	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.835	180	1499	1.098	ug/l	97

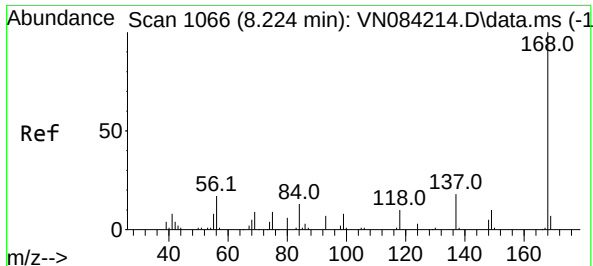
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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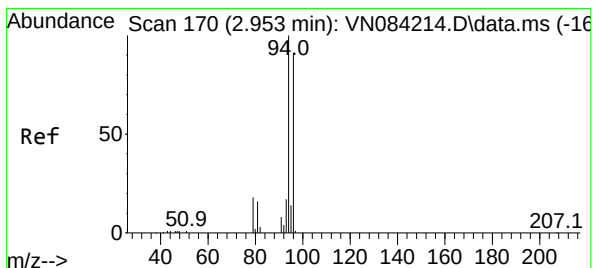
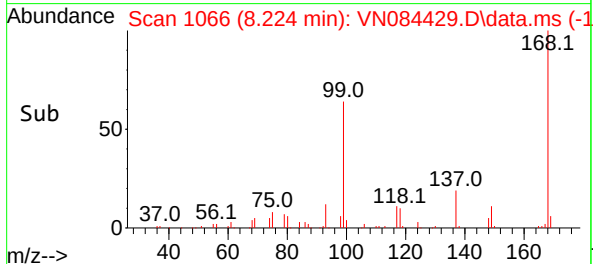
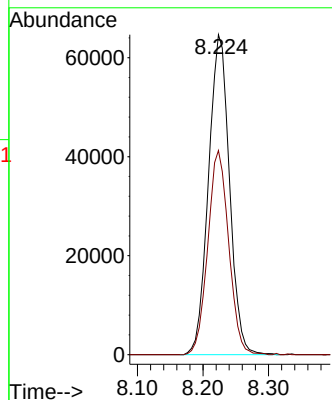
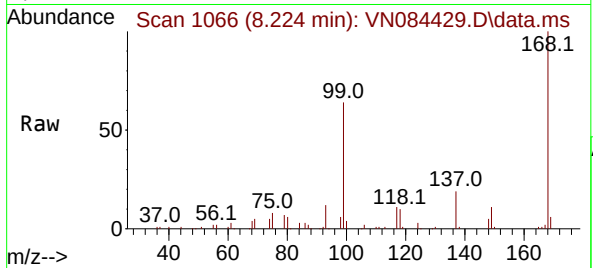




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

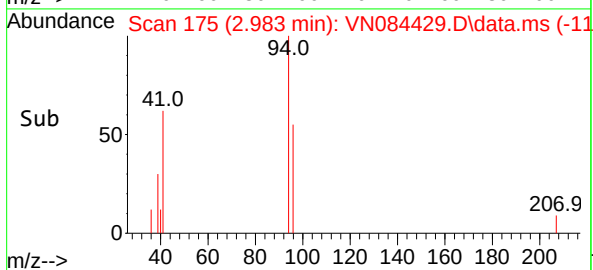
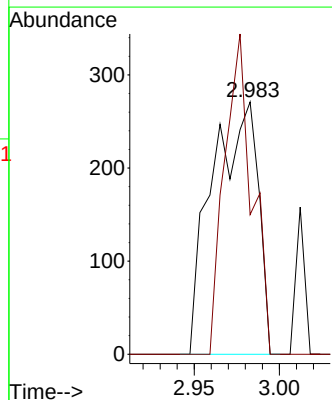
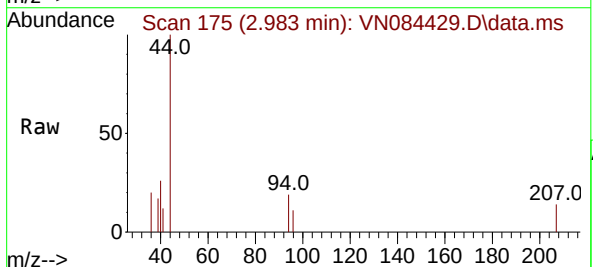
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

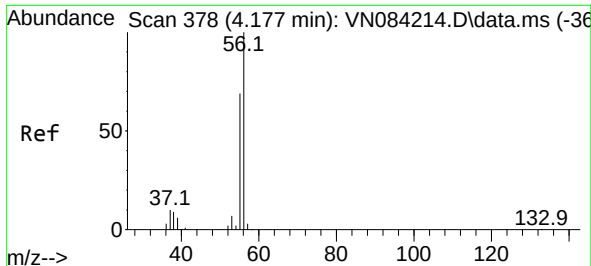
Tgt Ion:168 Resp: 143736
Ion Ratio Lower Upper
168 100
99 63.8 54.2 81.2



#5
Bromomethane
Concen: 0.409 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.029 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Tgt Ion: 94 Resp: 507
Ion Ratio Lower Upper
94 100
96 55.4 72.9 109.3#





#13

Acrolein

Concen: 0.317 ug/l

RT: 4.189 min Scan# 3

Delta R.T. 0.012 min

Lab File: VN084429.D

Acq: 21 Oct 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :

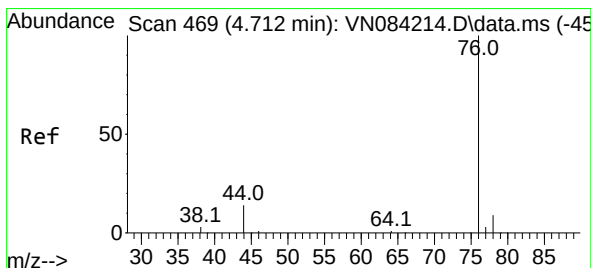
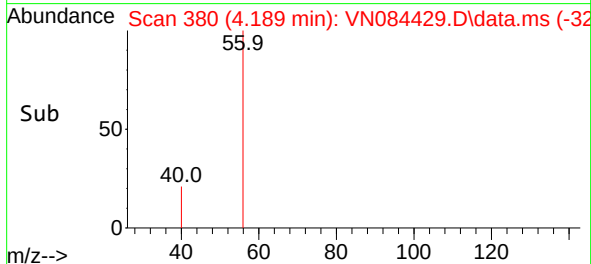
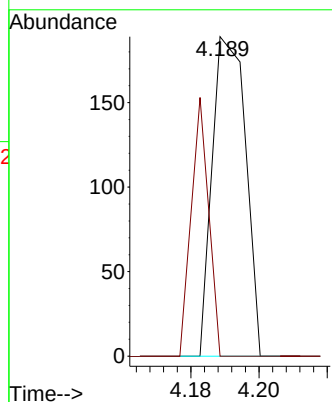
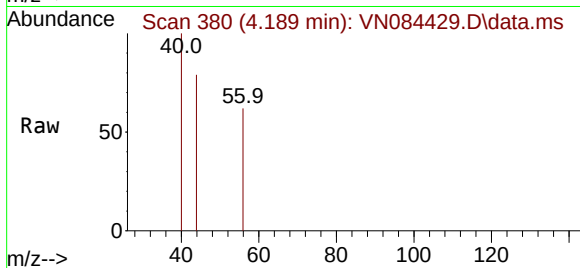
VN1021MBL01

Tgt Ion: 56 Resp: 128

Ion Ratio Lower Upper

56 100

55 42.2 57.2 85.8#



#17

Carbon Disulfide

Concen: 0.400 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.006 min

Lab File: VN084429.D

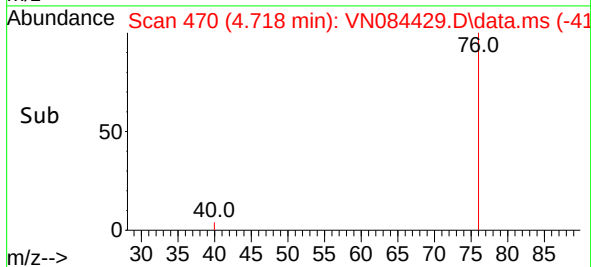
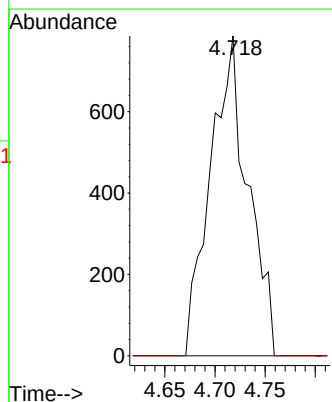
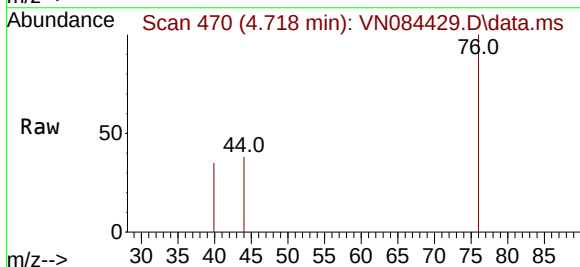
Acq: 21 Oct 2024 12:12

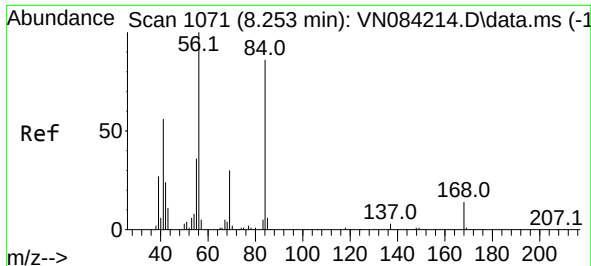
Tgt Ion: 76 Resp: 2049

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

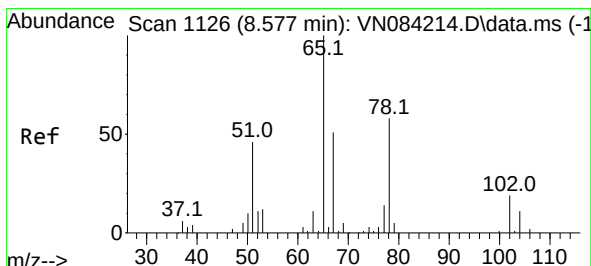
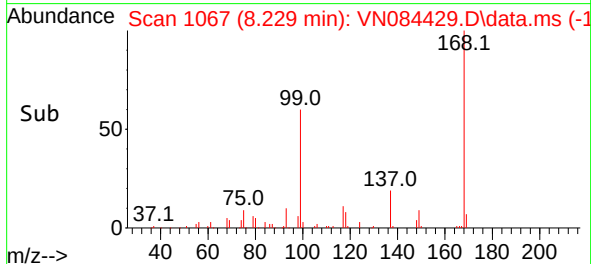
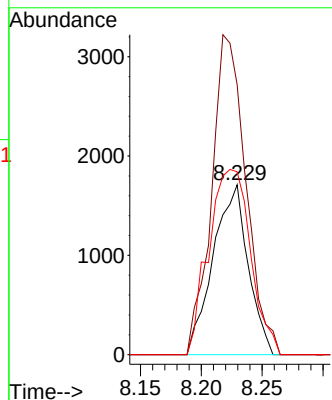
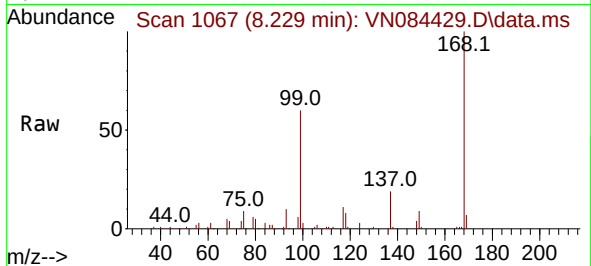




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.024 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

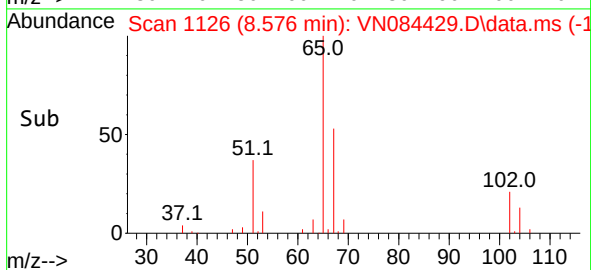
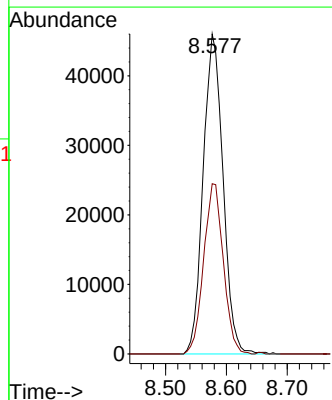
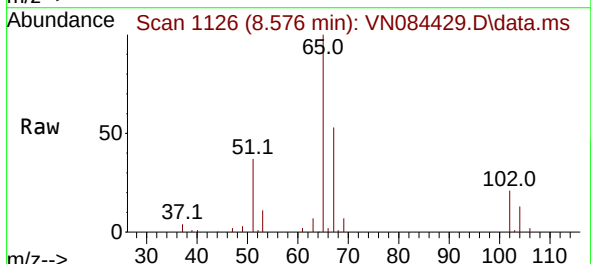
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

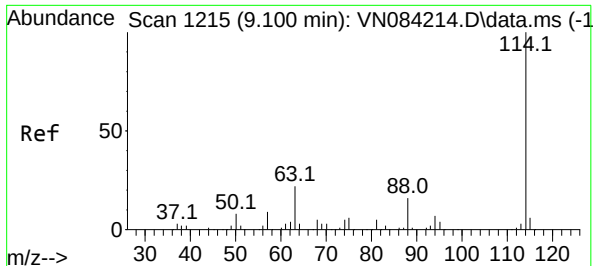
Tgt Ion: 56 Resp: 3416
Ion Ratio Lower Upper
56 100
69 158.9 23.8 35.6#
84 107.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.904 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Tgt Ion: 65 Resp: 104221
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084429.D

Acq: 21 Oct 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBL01

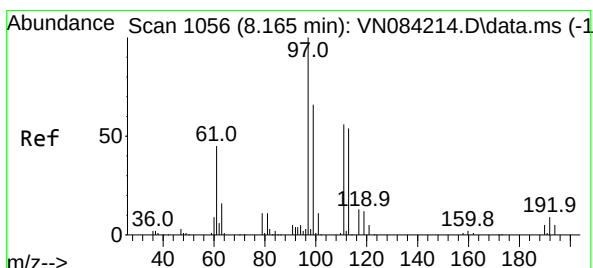
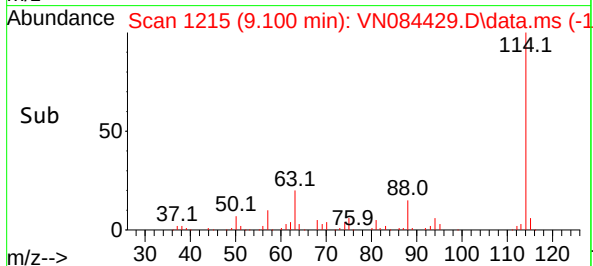
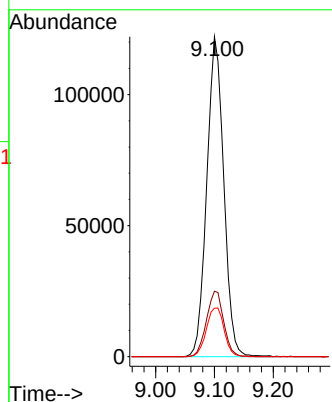
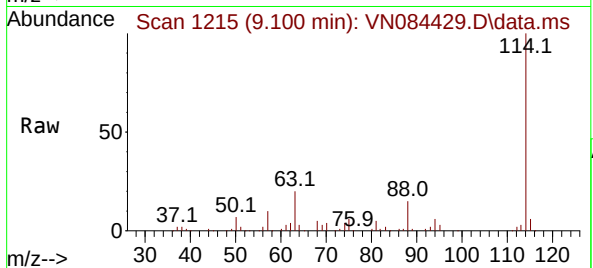
Tgt Ion:114 Resp: 244554

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.8

88 15.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 52.087 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084429.D

Acq: 21 Oct 2024 12:12

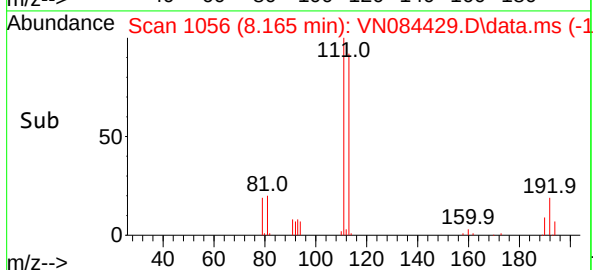
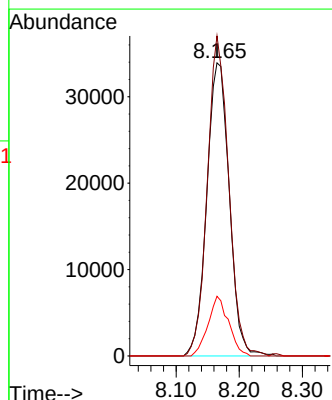
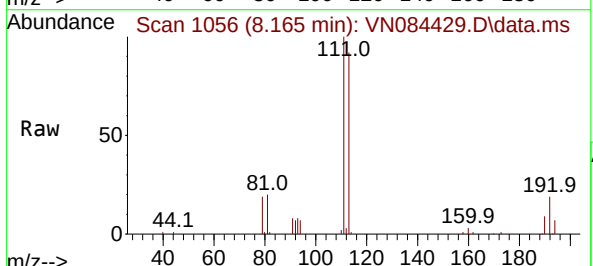
Tgt Ion:113 Resp: 83978

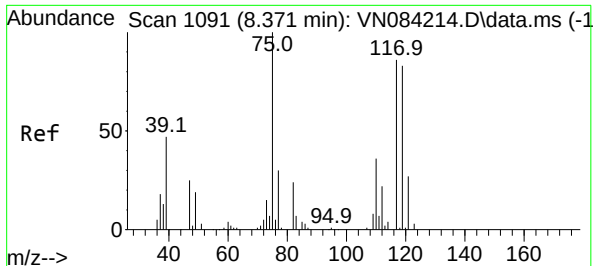
Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

192 18.6 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.213 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084429.D

Acq: 21 Oct 2024 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN1021MBL01

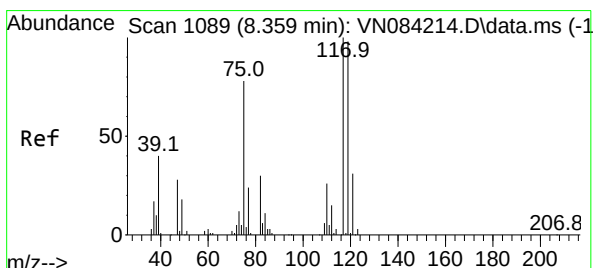
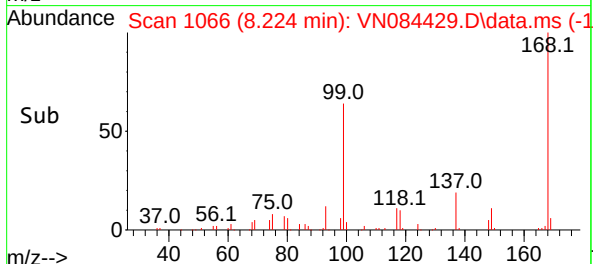
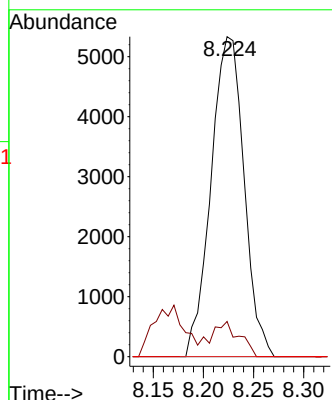
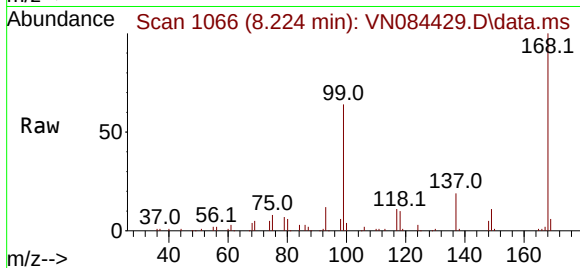
Tgt Ion: 75 Resp: 12207

Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.367 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.130 min

Lab File: VN084429.D

Acq: 21 Oct 2024 12:12

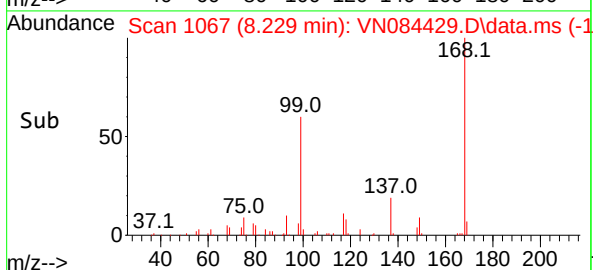
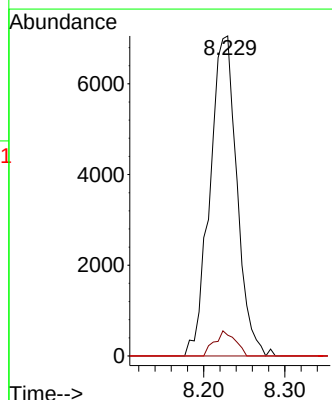
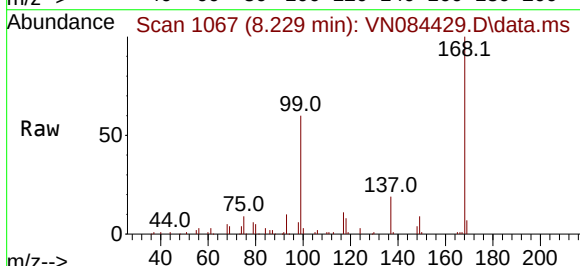
Tgt Ion: 117 Resp: 16356

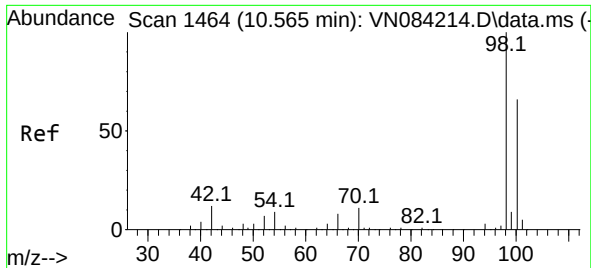
Ion Ratio Lower Upper

117 100

119 6.5 78.7 118.1#

121 0.0 24.4 36.6#

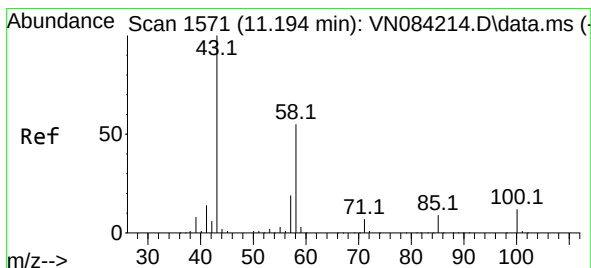
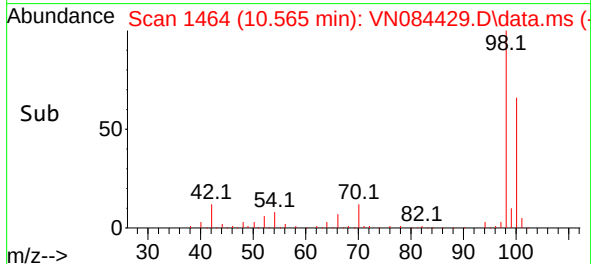
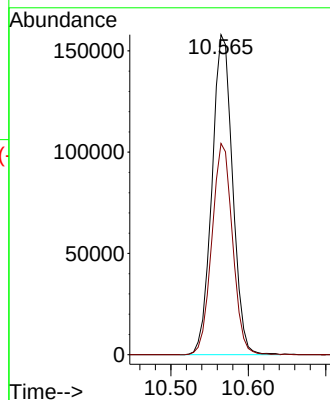
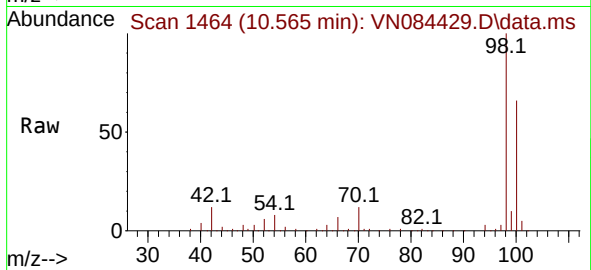




#50
Toluene-d8
Concen: 49.296 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

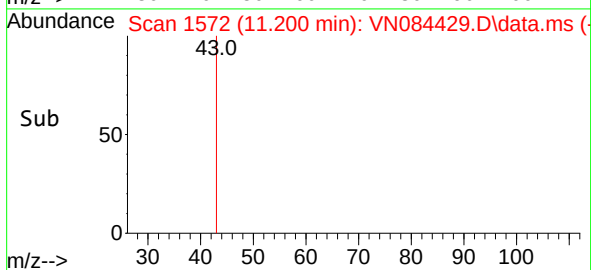
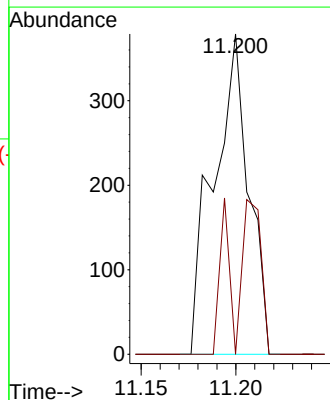
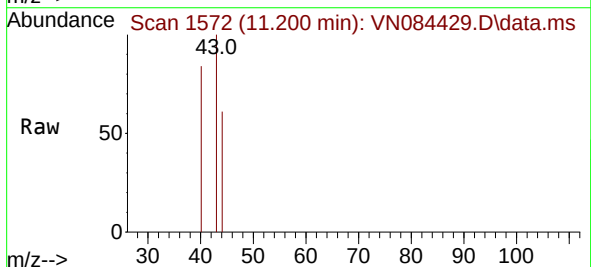
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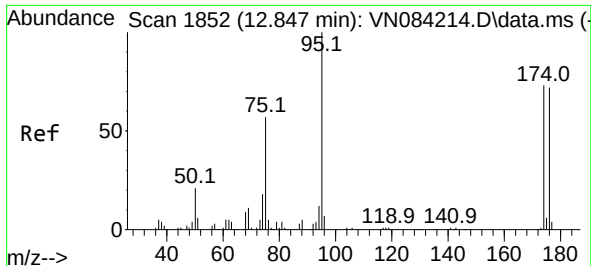
Tgt Ion: 98 Resp: 292404
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#59
2-Hexanone
Concen: 0.285 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
58 38.9 27.3 81.8

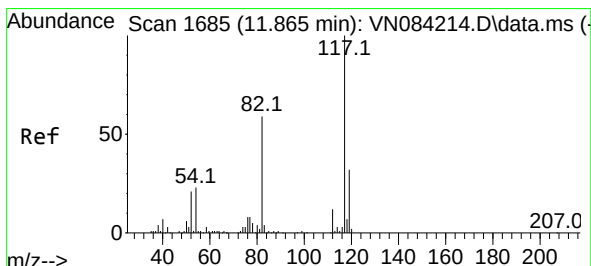
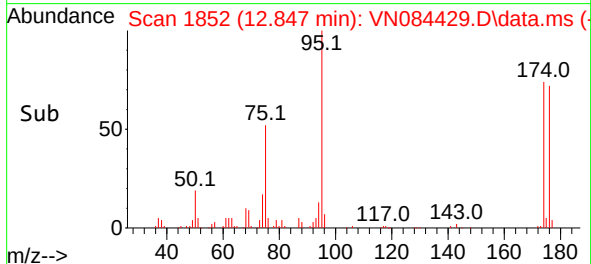
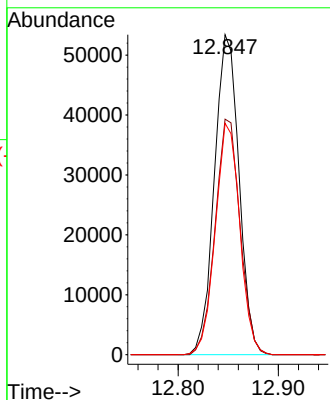
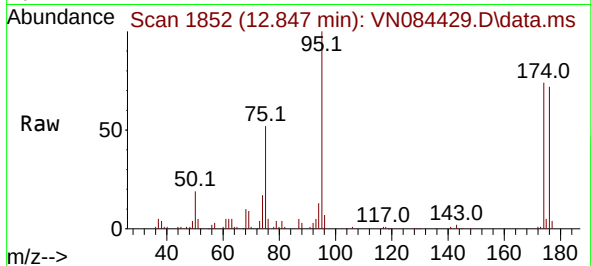




#62
4-Bromofluorobenzene
Concen: 42.009 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

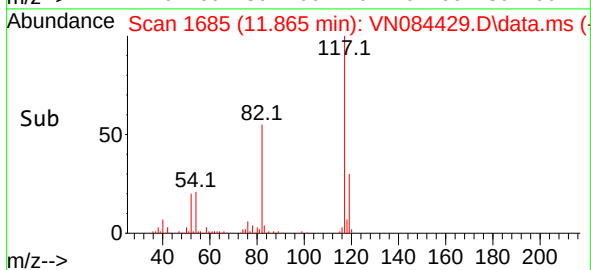
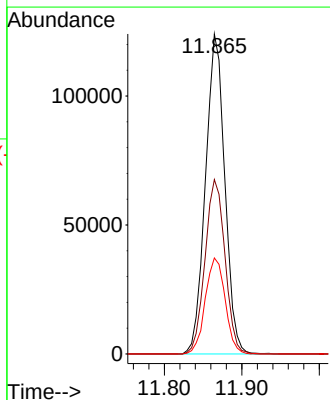
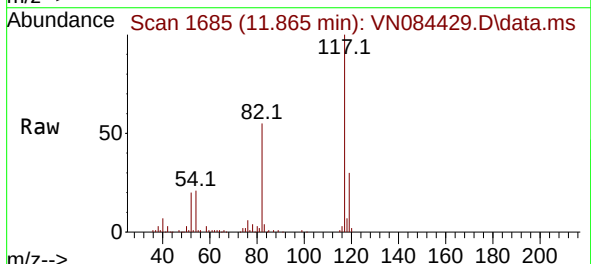
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

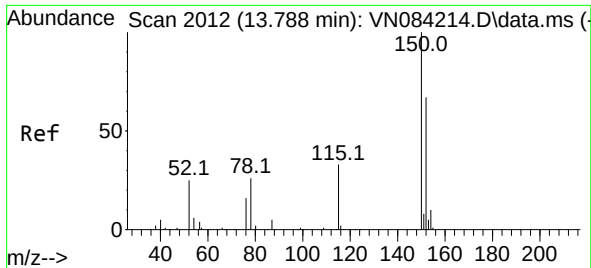
Tgt Ion: 95 Resp: 90779
Ion Ratio Lower Upper
95 100
174 74.8 0.0 145.2
176 72.0 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

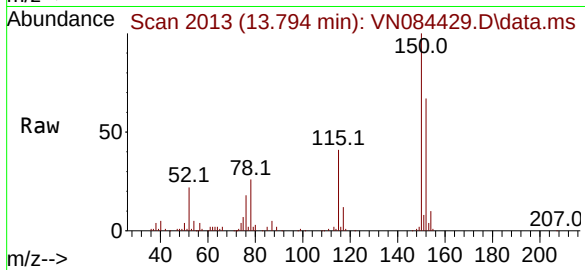
Tgt Ion: 117 Resp: 214929
Ion Ratio Lower Upper
117 100
82 54.5 47.2 70.8
119 30.0 25.4 38.0



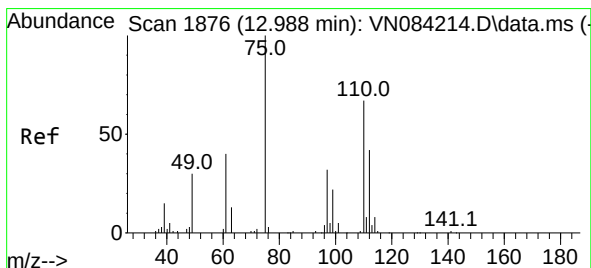
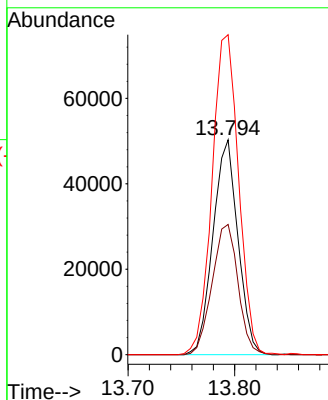
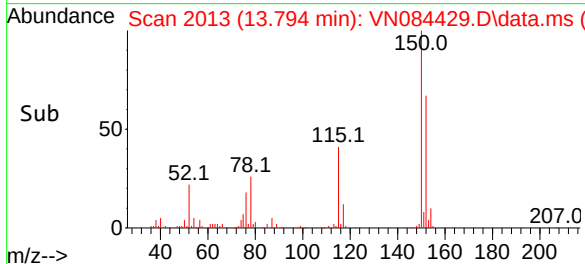


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

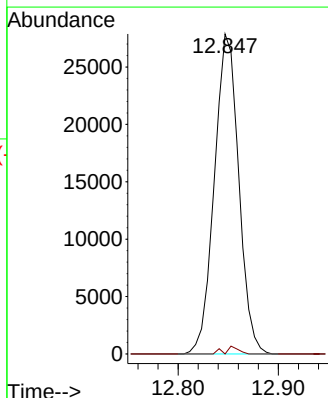
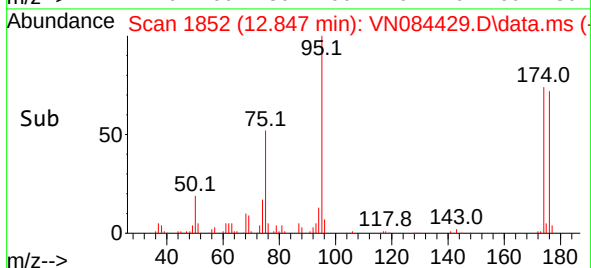
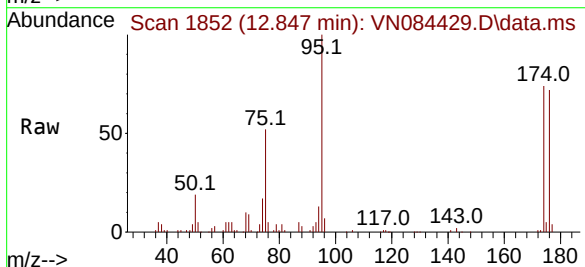


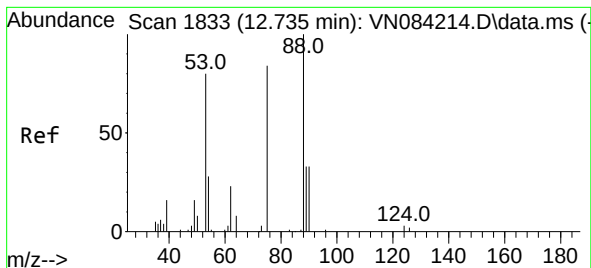
Tgt Ion:152 Resp: 81760
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 158.3 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Tgt Ion: 75 Resp: 47032
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#

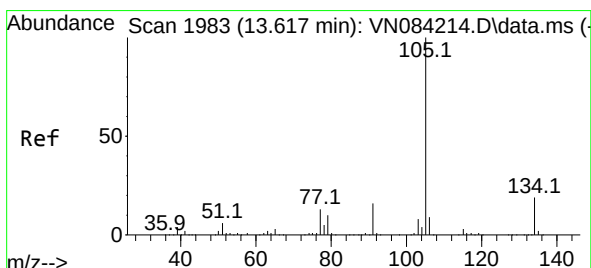
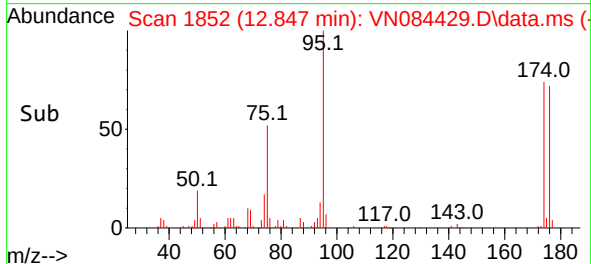
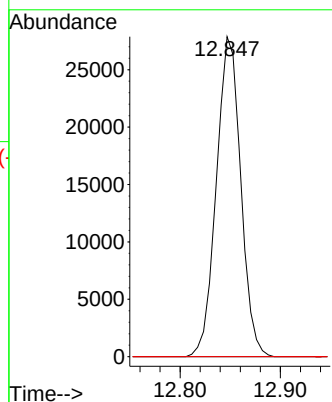
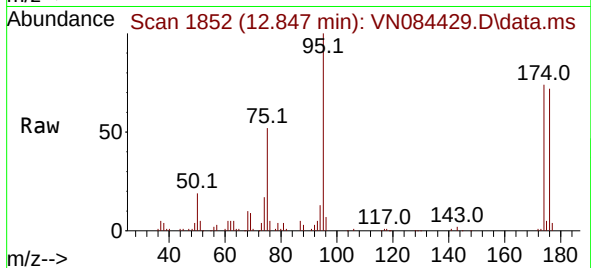




#81
trans-1,4-Dichloro-2-butene
Concen: 67.553 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

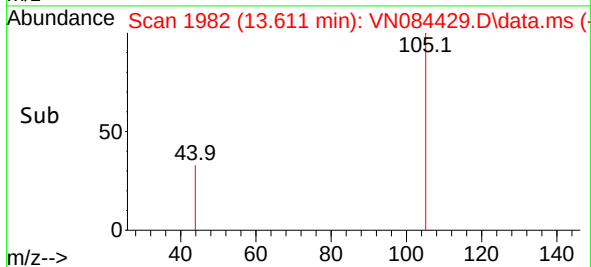
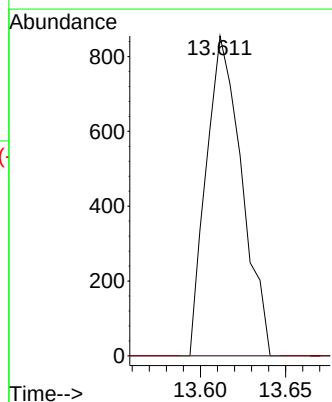
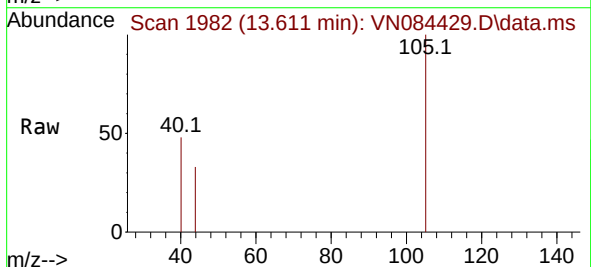
Instrument :
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ClientSampleId :
VN1021MBL01

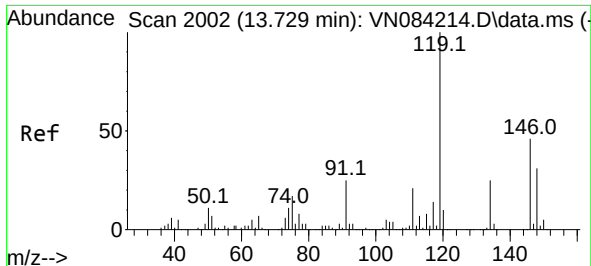
Tgt Ion: 75 Resp: 47032
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#85
sec-Butylbenzene
Concen: 0.205 ug/l
RT: 13.611 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

Tgt Ion: 105 Resp: 1239
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.4#

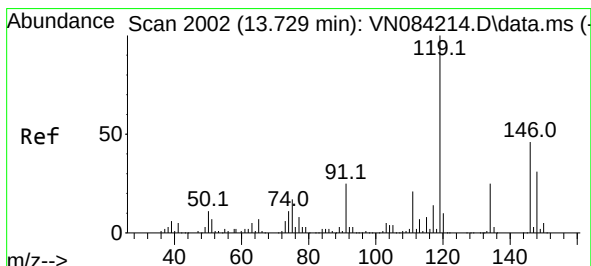
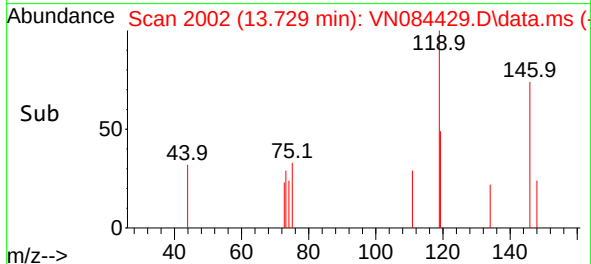
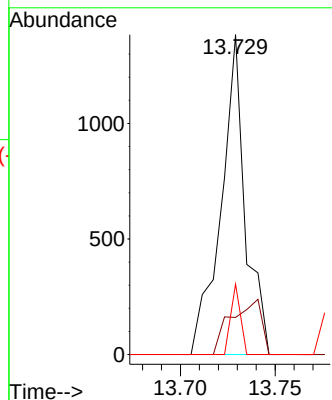
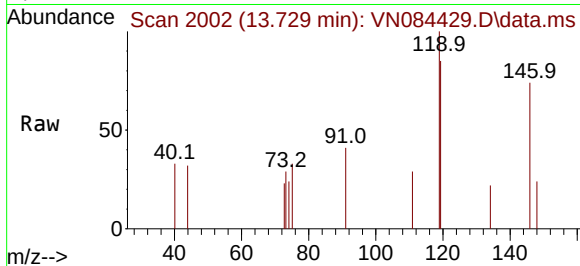




#86
 p-Isopropyltoluene
 Concen: 0.246 ug/l
 RT: 13.729 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN084429.D
 Acq: 21 Oct 2024 12:12

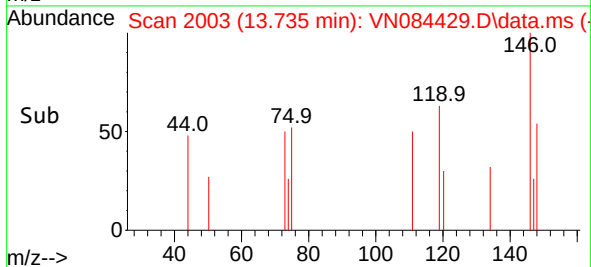
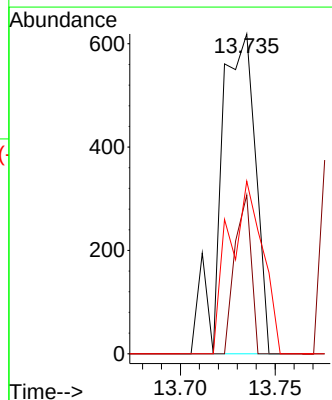
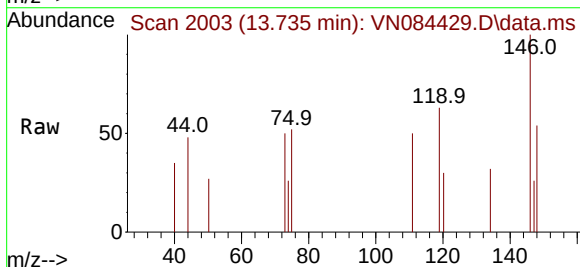
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01

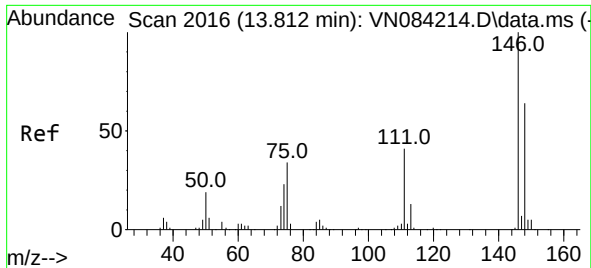
Tgt Ion:119 Resp: 1227
 Ion Ratio Lower Upper
 119 100
 134 21.8 12.6 37.8
 91 8.8 12.4 37.2#



#87
 1,3-Dichlorobenzene
 Concen: 0.280 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN084429.D
 Acq: 21 Oct 2024 12:12

Tgt Ion:146 Resp: 791
 Ion Ratio Lower Upper
 146 100
 111 23.4 21.8 65.3
 148 52.2 31.9 95.7

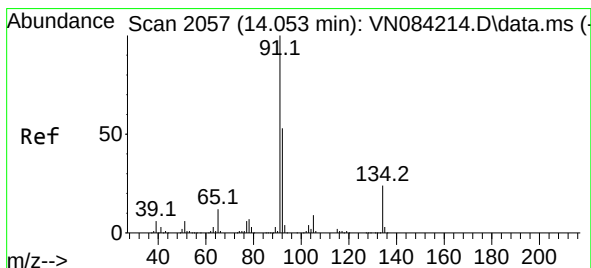
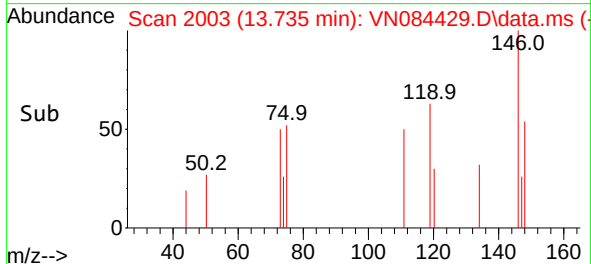
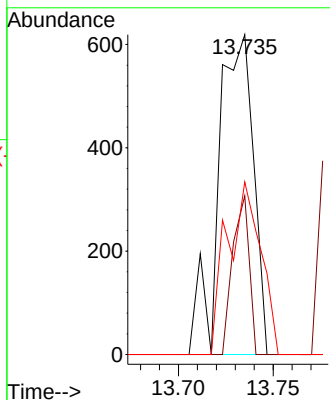
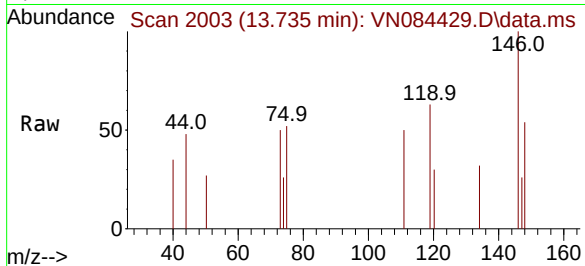




#88
1,4-Dichlorobenzene
Concen: 0.277 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

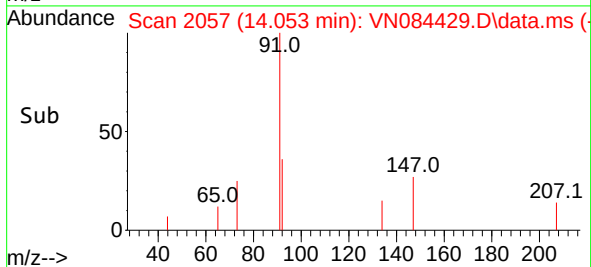
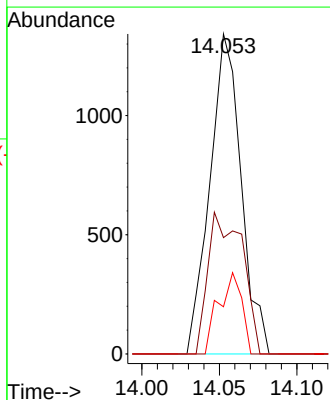
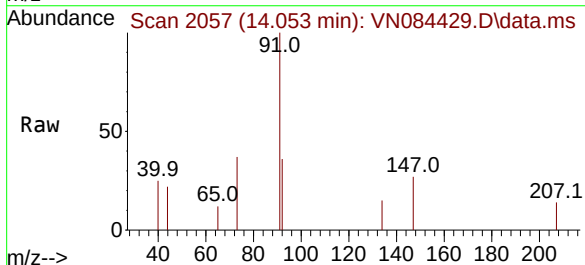
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

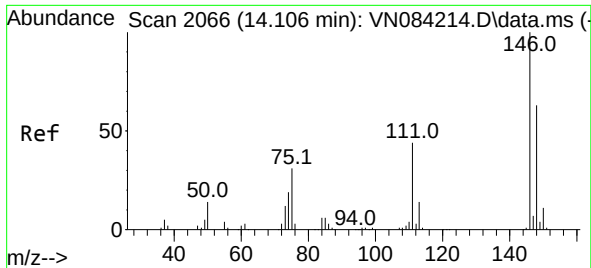
Tgt Ion:146 Resp: 791
Ion Ratio Lower Upper
146 100
111 23.4 21.2 63.6
148 52.2 31.9 95.9



#89
n-Butylbenzene
Concen: 0.417 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

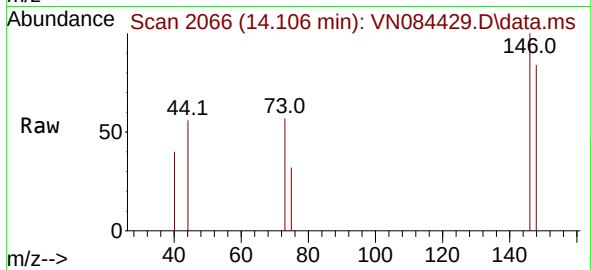
Tgt Ion: 91 Resp: 1886
Ion Ratio Lower Upper
91 100
92 48.6 26.6 79.7
134 18.7 12.3 36.9



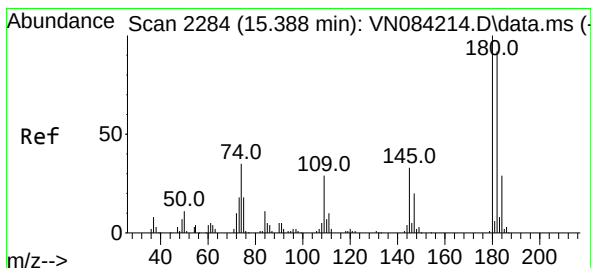
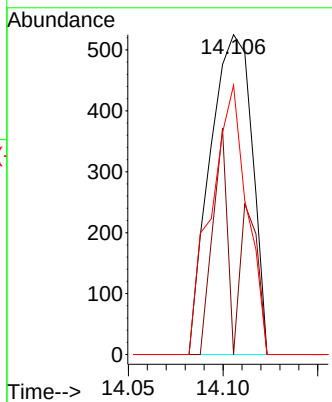
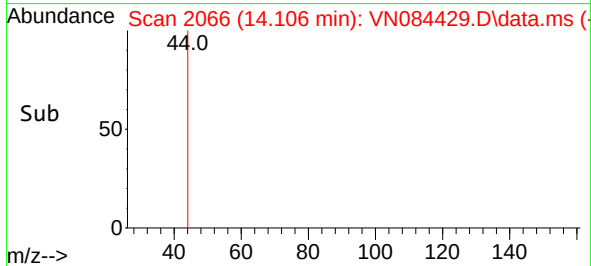


#91
1,2-Dichlorobenzene
Concen: 0.293 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

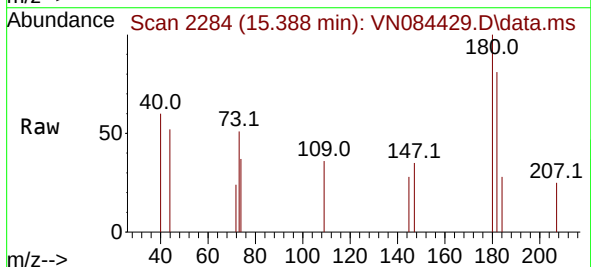
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01



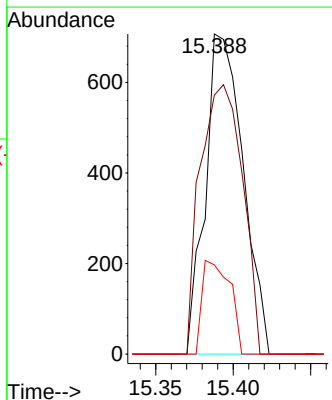
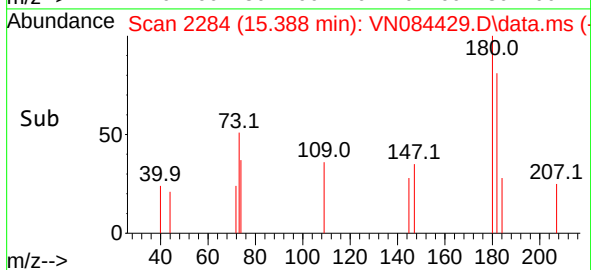
Tgt Ion:146 Resp: 812
Ion Ratio Lower Upper
146 100
111 24.3 22.0 66.0
148 71.8 32.1 96.3

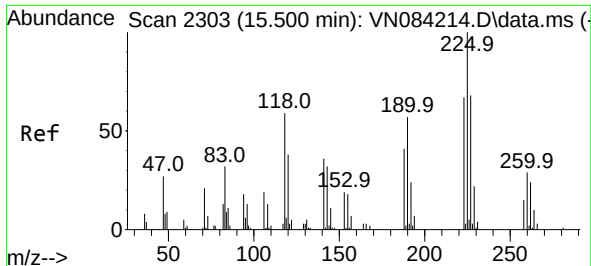


#93
1,2,4-Trichlorobenzene
Concen: 0.877 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12



Tgt Ion:180 Resp: 1196
Ion Ratio Lower Upper
180 100
182 94.3 47.0 141.0
145 21.5 16.4 49.4

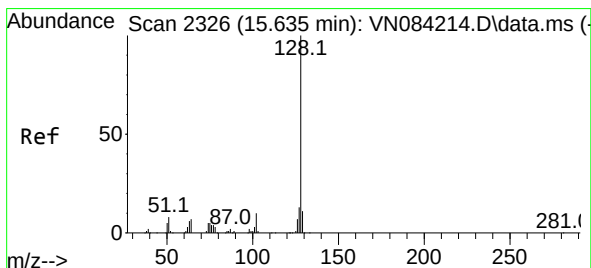
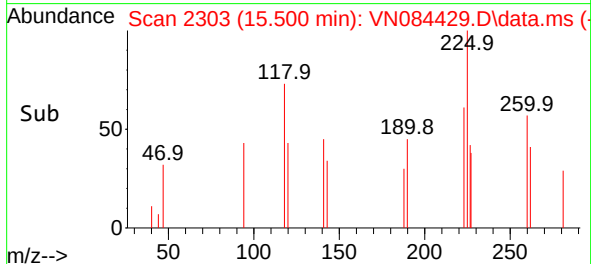
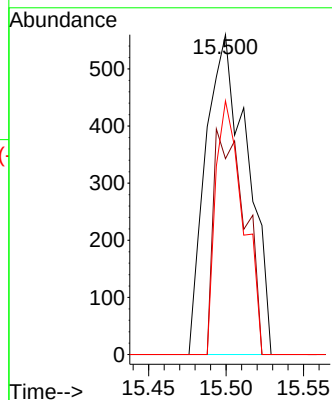
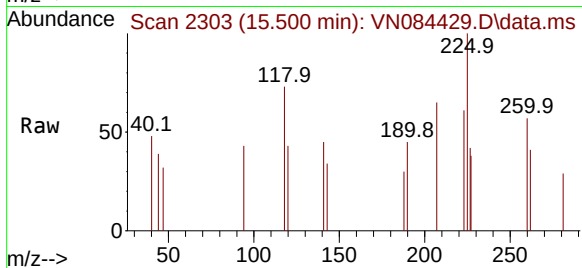




#94
Hexachlorobutadiene
Concen: 1.537 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

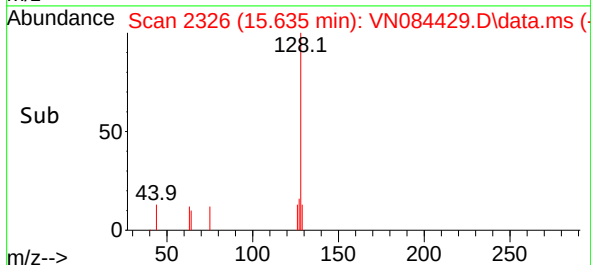
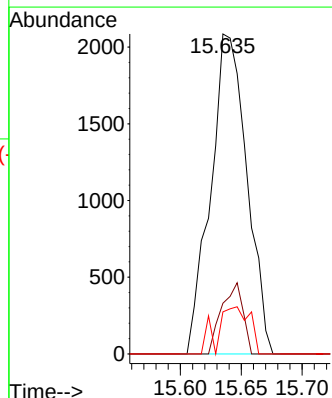
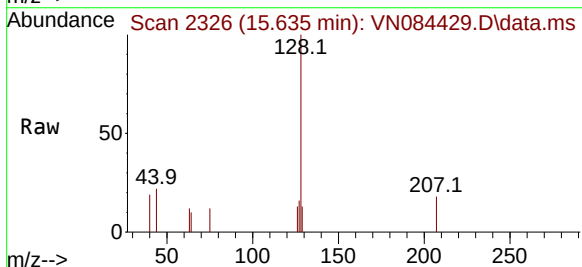
Instrument :
MSVOA_N
ClientSampleId :
VN1021MBL01

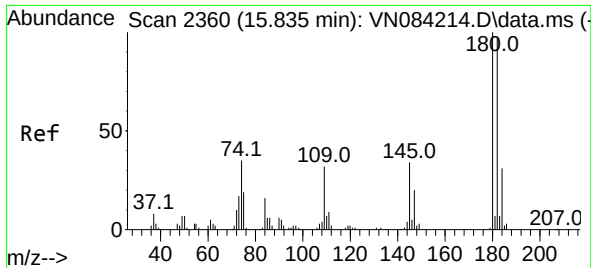
Tgt Ion:225 Resp: 1045
Ion Ratio Lower Upper
225 100
223 53.2 32.4 97.2
227 52.6 32.4 97.0



#95
Naphthalene
Concen: 0.955 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084429.D
Acq: 21 Oct 2024 12:12

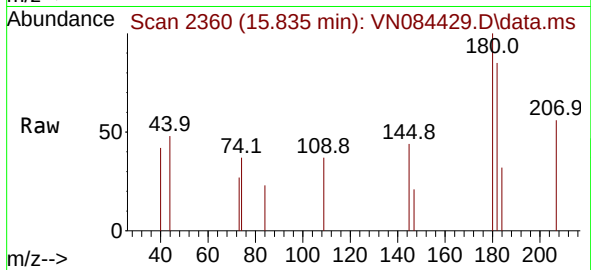
Tgt Ion:128 Resp: 4316
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 13.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.098 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084429.D
 Acq: 21 Oct 2024 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBL01



Tgt Ion:180 Resp: 1499
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.2 144.6
 145 29.8 17.3 51.9

