

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084032.D
 Acq On : 19 Sep 2024 14:18
 Operator : JC\MD
 Sample : VN0919MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919MBL01

Quant Time: Sep 20 01:29:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

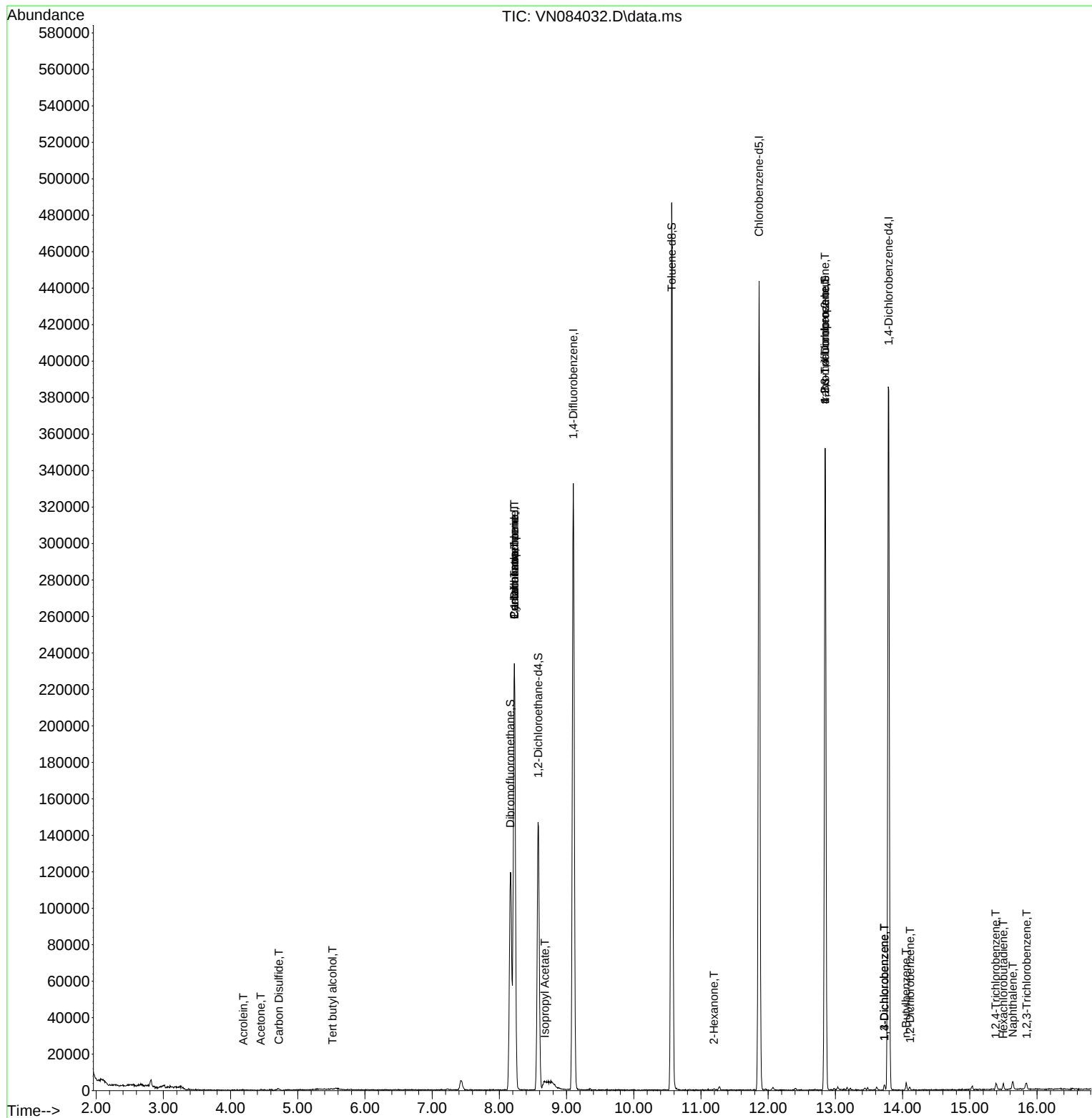
Internal Standards						
1) Pentafluorobenzene	8.224	168	158191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123661	51.843	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.680%	
35) Dibromofluoromethane	8.165	113	86838	49.493	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.980%	
50) Toluene-d8	10.565	98	325063	53.591	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.180%	
62) 4-Bromofluorobenzene	12.847	95	120145	48.010	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	203	Below Cal	#	41
11) Tert butyl alcohol	5.518	59	66	0.207	ug/l #	71
13) Acrolein	4.189	56	125	0.397	ug/l #	13
16) Acetone	4.447	43	310	0.324	ug/l #	45
17) Carbon Disulfide	4.718	76	1971	0.412	ug/l #	75
18) Methyl Acetate	5.006	43	61	Below Cal	#	52
31) Cyclohexane	8.224	56	4446	1.290	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	15426	5.841	ug/l #	52
38) Carbon Tetrachloride	8.224	117	18908	6.311	ug/l #	16
43) Isopropyl Acetate	8.677	43	3494	0.804	ug/l #	57
59) 2-Hexanone	11.194	43	449	0.257	ug/l	99
76) 1,2,3-Trichloropropane	12.847	75	67827	34.411	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67827	90.126	ug/l #	9
87) 1,3-Dichlorobenzene	13.729	146	814	0.237	ug/l	84
88) 1,4-Dichlorobenzene	13.729	146	814	0.234	ug/l	85
89) n-Butylbenzene	14.053	91	2252	0.405	ug/l	93
91) 1,2-Dichlorobenzene	14.111	146	877	0.265	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	1188	0.668	ug/l	96
94) Hexachlorobutadiene	15.500	225	889	1.177	ug/l	80
95) Naphthalene	15.641	128	5169	0.956	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	1781	1.048	ug/l	89

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

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Quant Time: Sep 20 01:29:48 2024
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Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

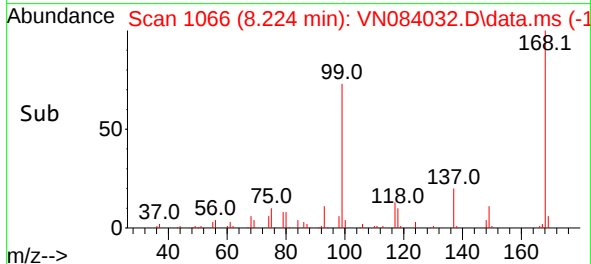
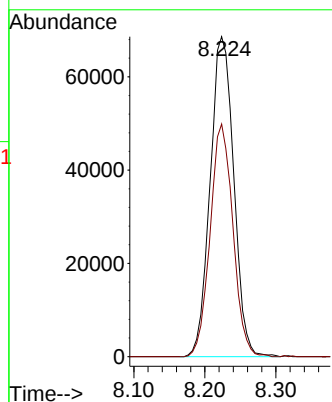
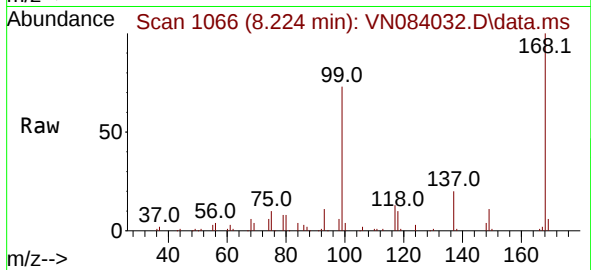




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

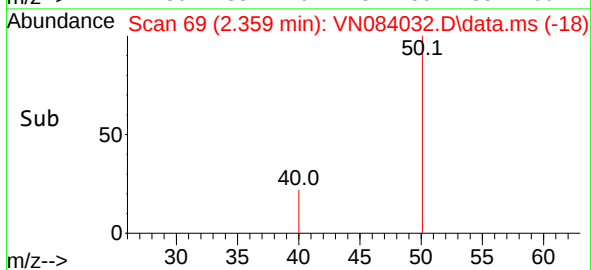
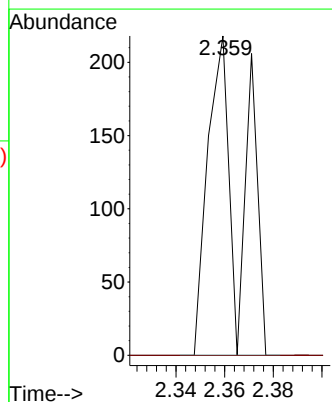
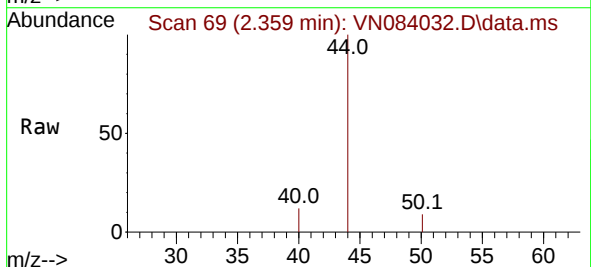
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

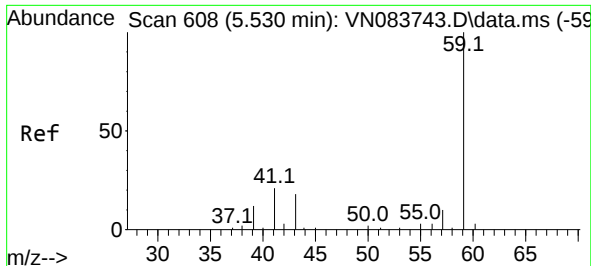
Tgt Ion:168 Resp: 158191
Ion Ratio Lower Upper
168 100
99 72.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 50 Resp: 203
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

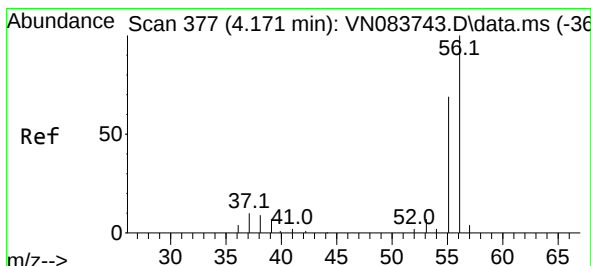
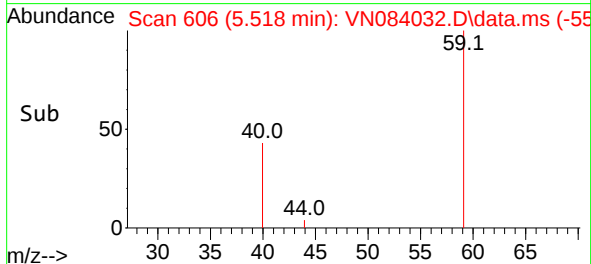
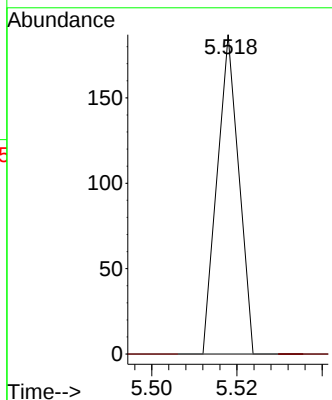
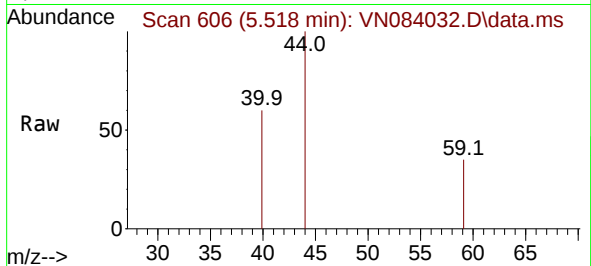




#11
Tert butyl alcohol
Concen: 0.207 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

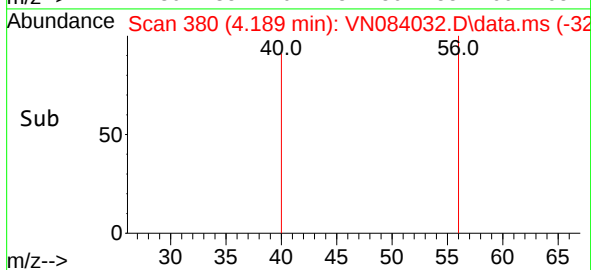
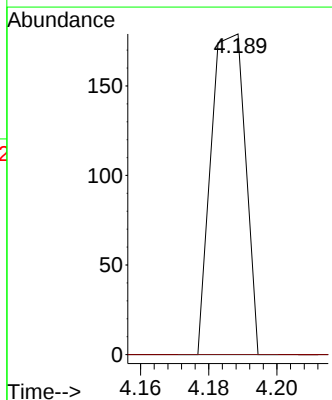
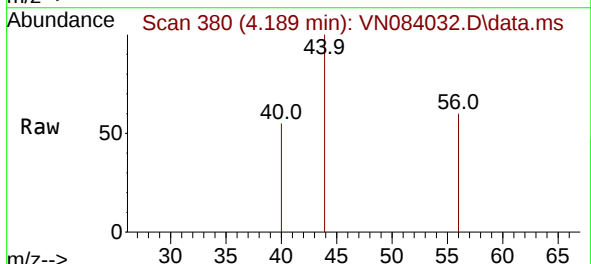
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

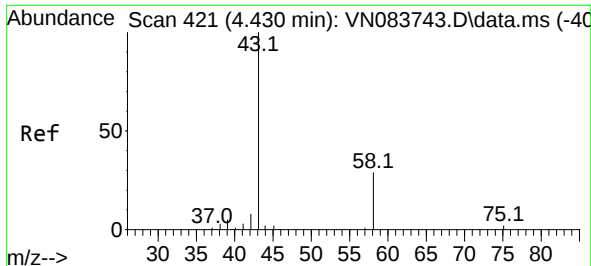
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.397 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.018 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#





#16

Acetone

Concen: 0.324 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

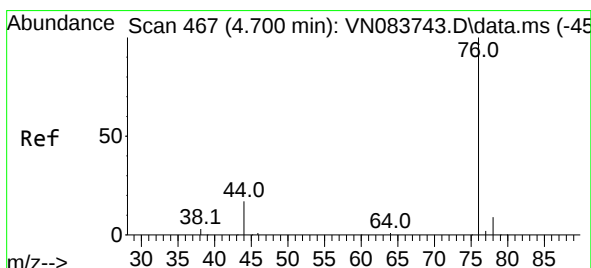
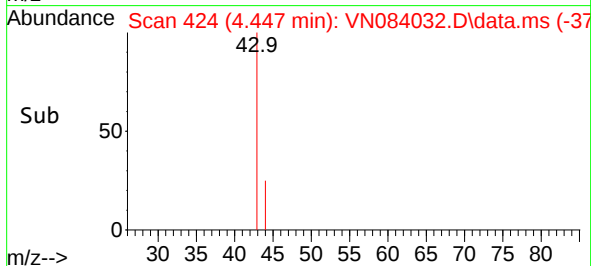
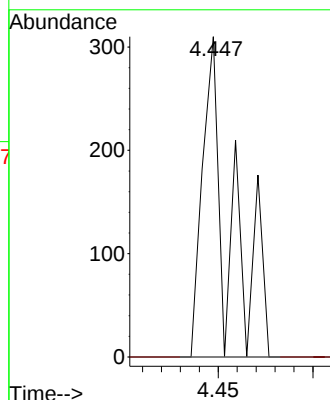
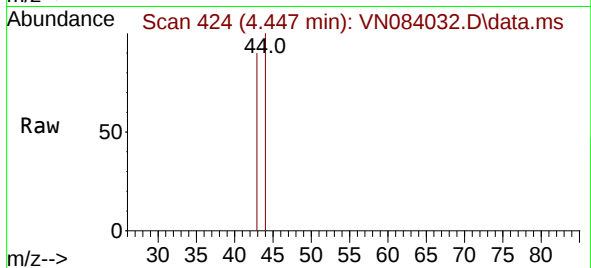
VN0919MBL01

Tgt Ion: 43 Resp: 310

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.412 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.018 min

Lab File: VN084032.D

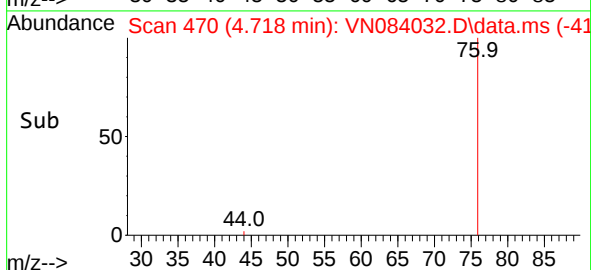
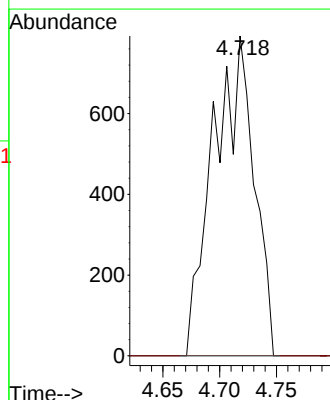
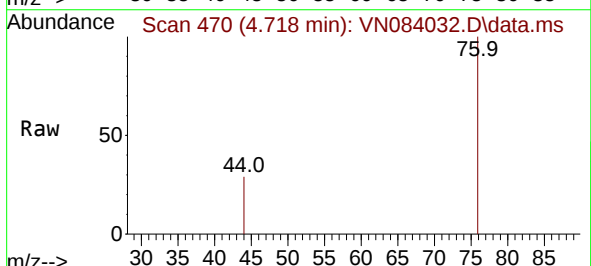
Acq: 19 Sep 2024 14:18

Tgt Ion: 76 Resp: 1971

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

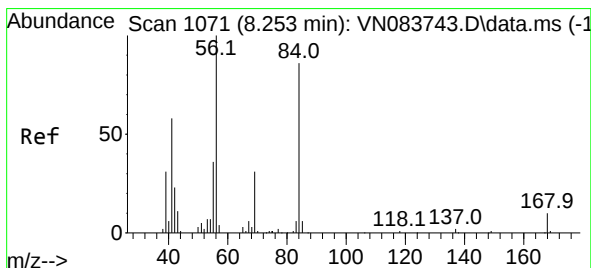
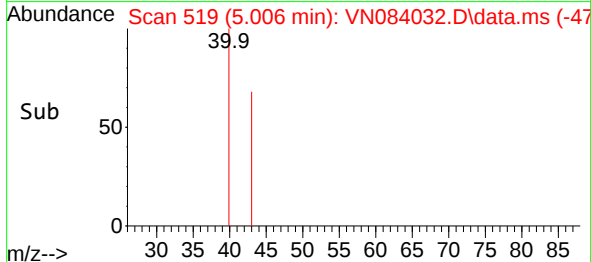
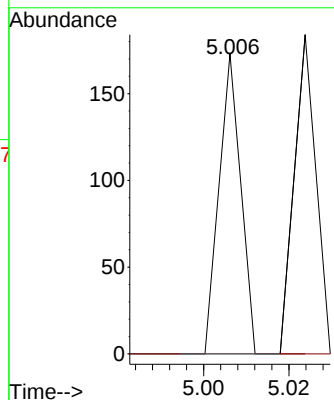
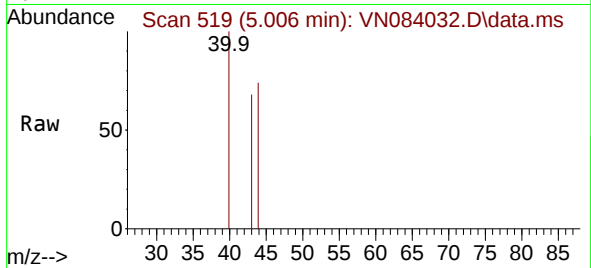




#18
Methyl Acetate
Concen: Below Cal
RT: 5.006 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

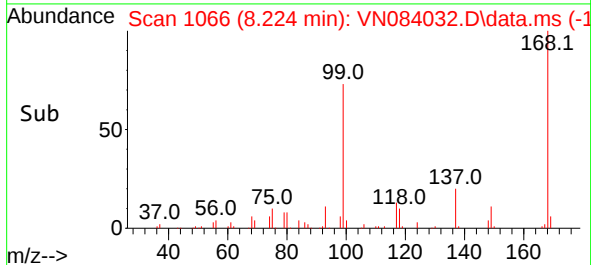
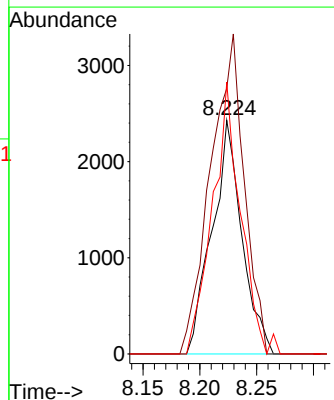
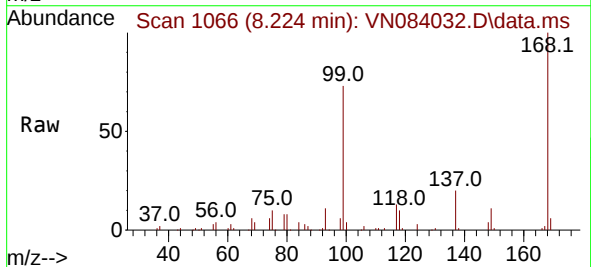
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

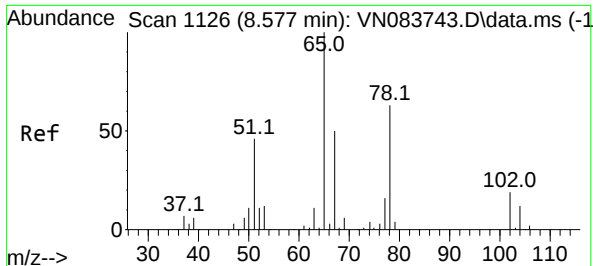
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#31
Cyclohexane
Concen: 1.290 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 56 Resp: 4446
Ion Ratio Lower Upper
56 100
69 113.7 26.9 40.3#
84 116.3 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 51.843 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

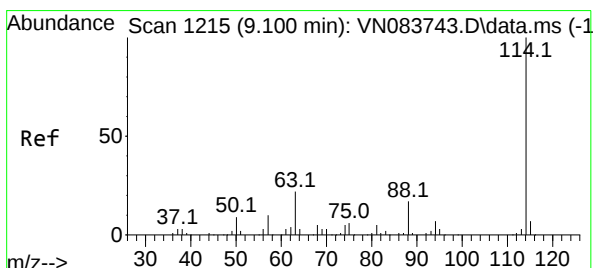
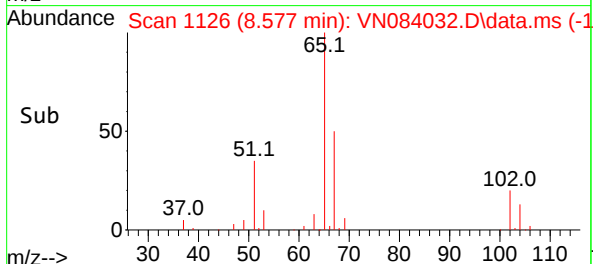
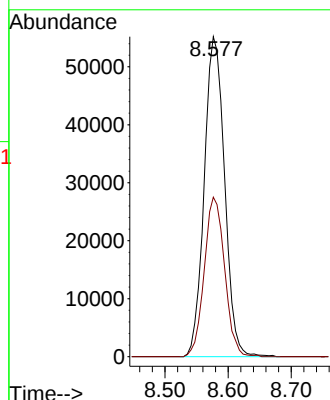
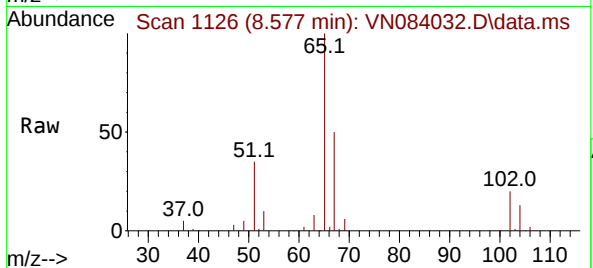
VN0919MBL01

Tgt Ion: 65 Resp: 123661

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

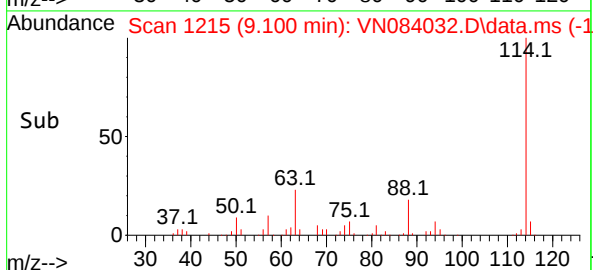
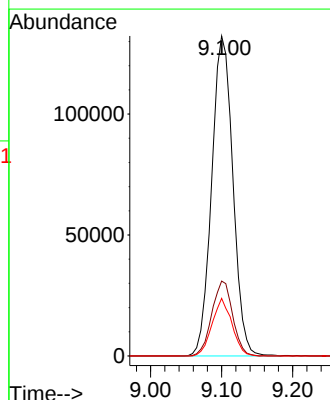
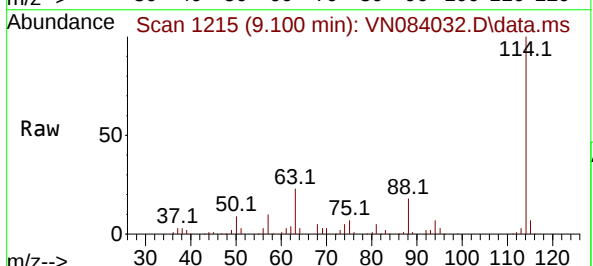
Tgt Ion: 114 Resp: 274070

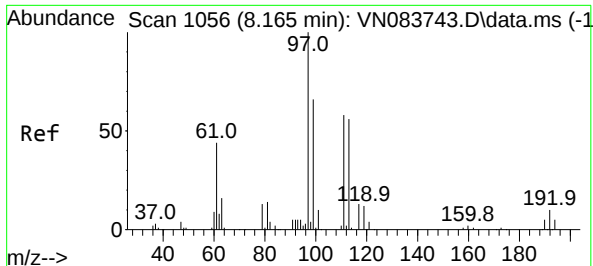
Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 18.0 0.0 32.6

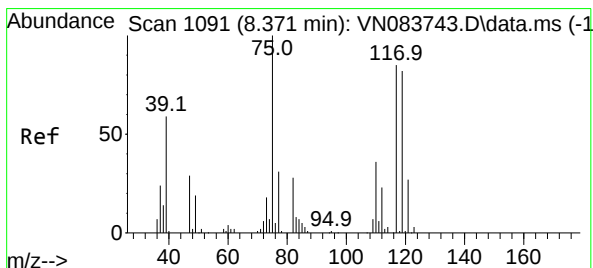
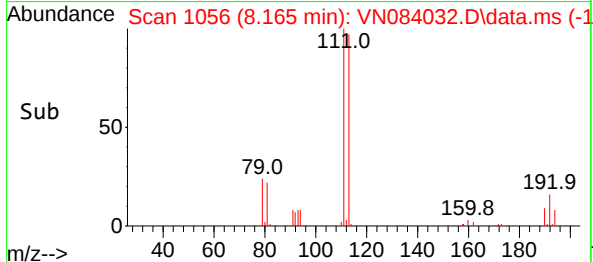
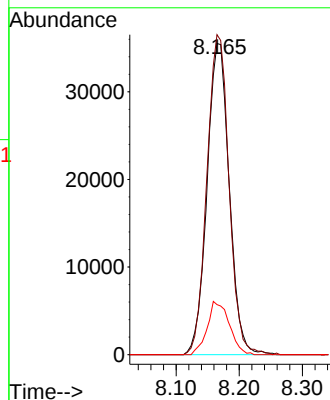
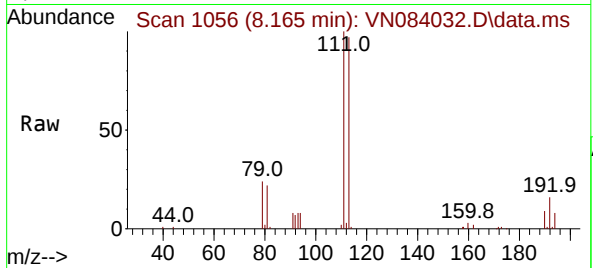




#35
Dibromofluoromethane
Concen: 49.493 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

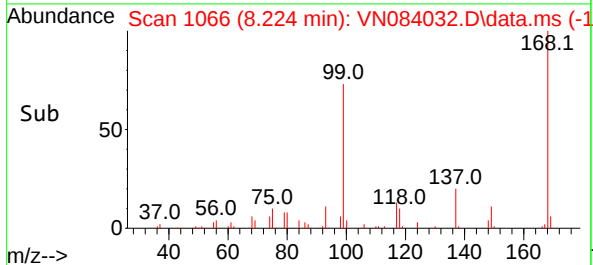
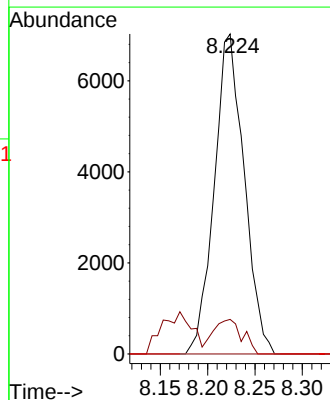
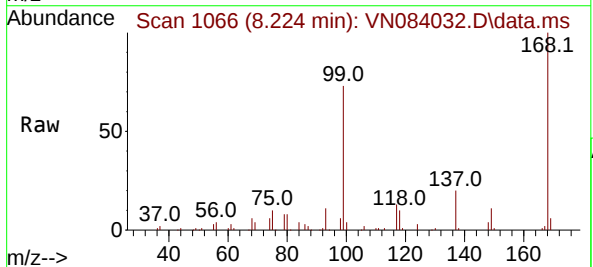
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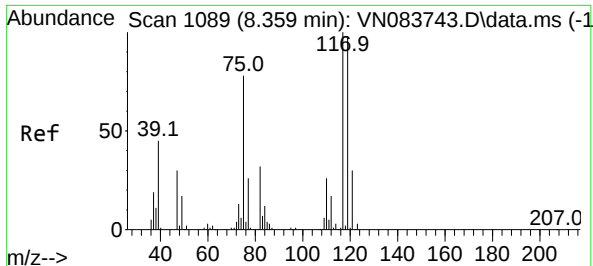
Tgt Ion:113 Resp: 86838
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 17.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.841 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

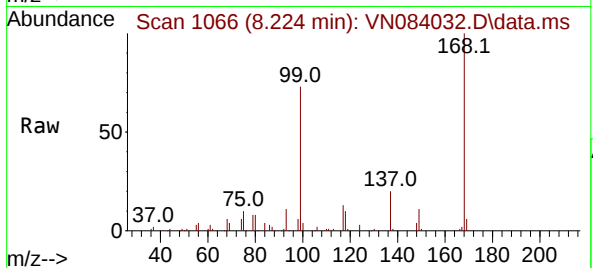
Tgt Ion: 75 Resp: 15426
Ion Ratio Lower Upper
75 100
110 10.5 16.7 50.1#
77 0.0 25.2 37.8#



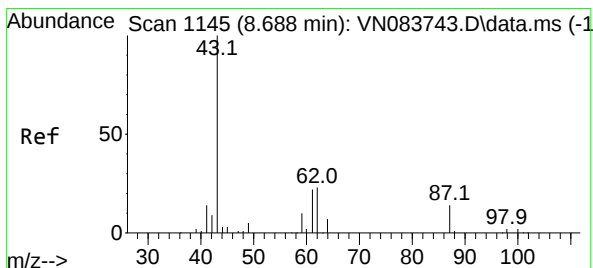
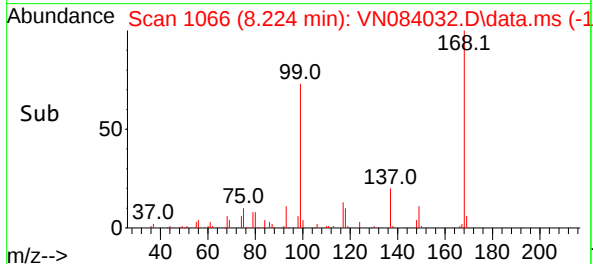
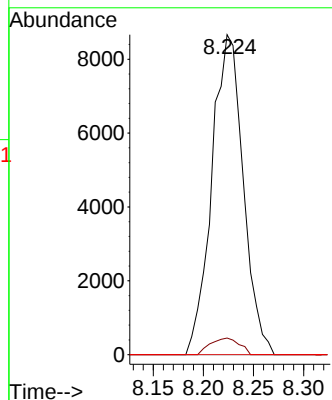


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

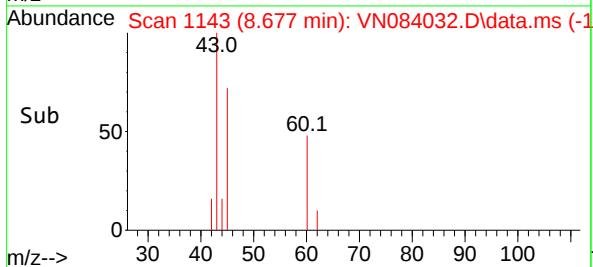
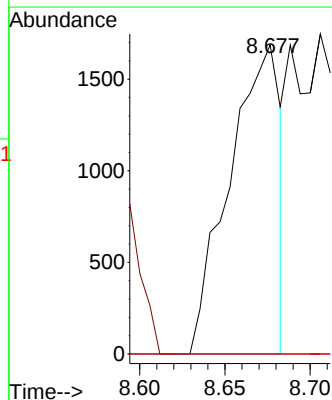
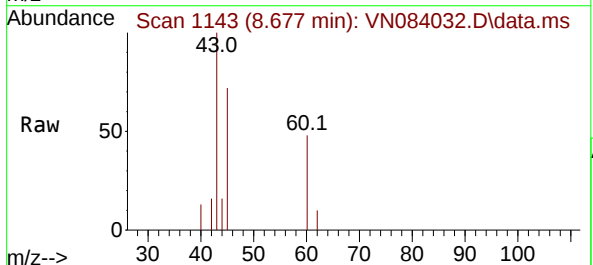


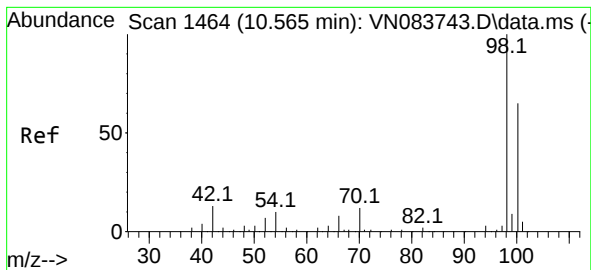
Tgt Ion:117 Resp: 18908
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.804 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 43 Resp: 3494
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#





#50

Toluene-d8

Concen: 53.591 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

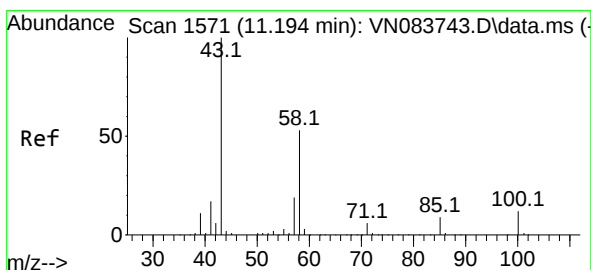
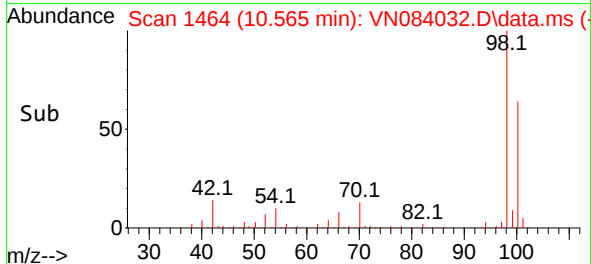
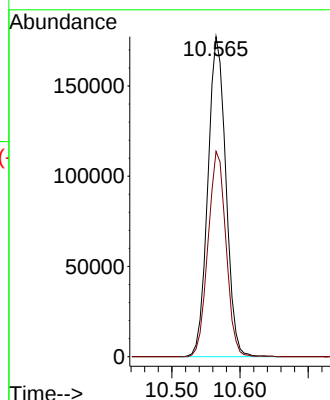
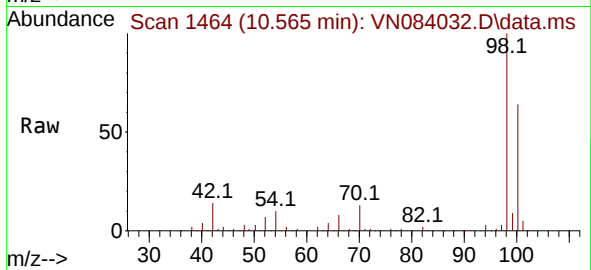
VN0919MBL01

Tgt Ion: 98 Resp: 325063

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



#59

2-Hexanone

Concen: 0.257 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN084032.D

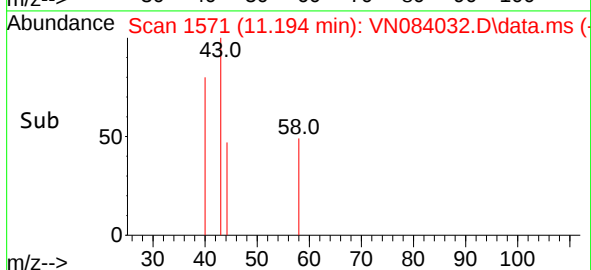
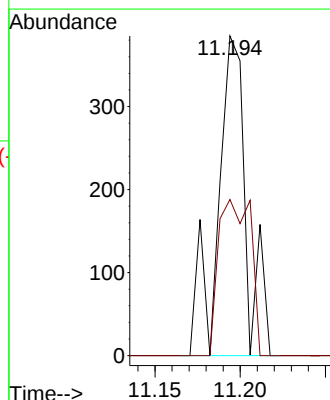
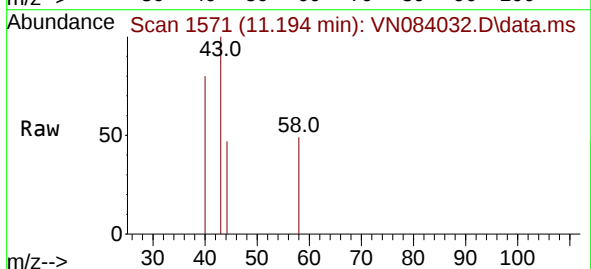
Acq: 19 Sep 2024 14:18

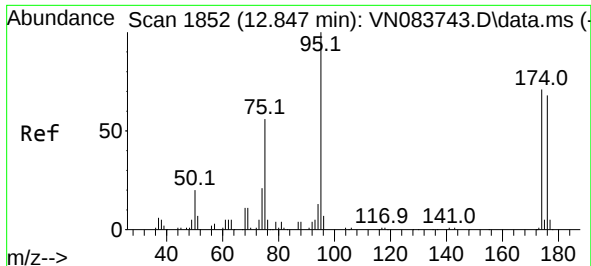
Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 55.0 27.2 81.5

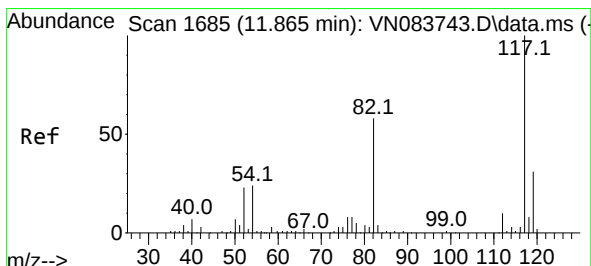
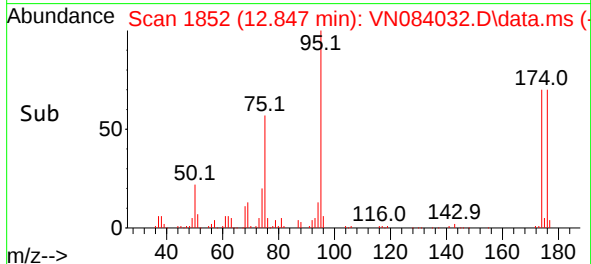
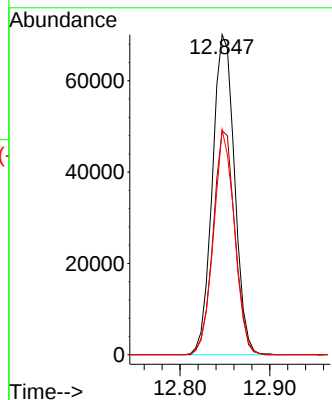
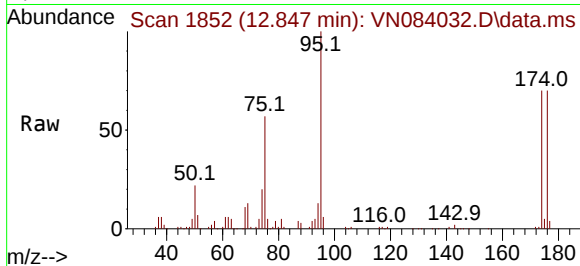




#62
4-Bromofluorobenzene
Concen: 48.010 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

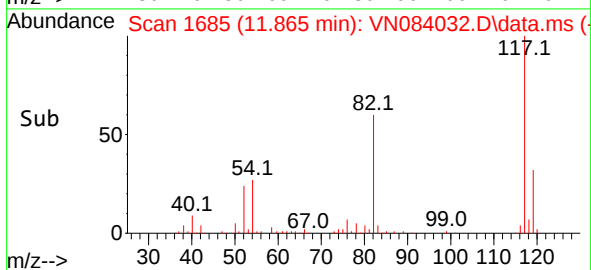
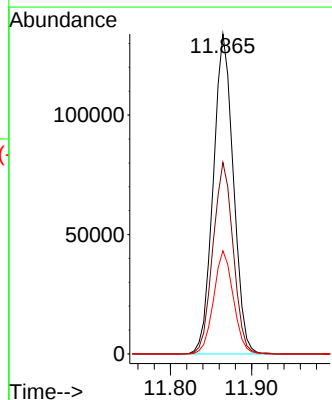
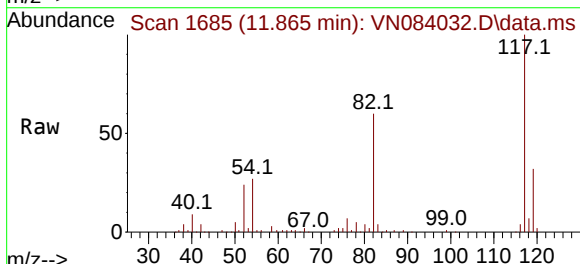
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

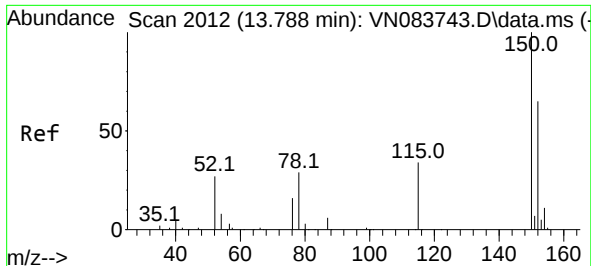
Tgt Ion: 95 Resp: 120145
Ion Ratio Lower Upper
95 100
174 69.0 0.0 139.8
176 66.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 117 Resp: 230762
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 32.2 26.3 39.5

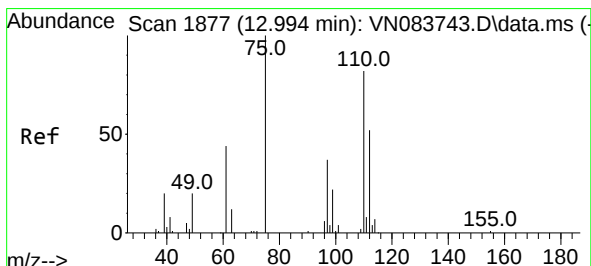
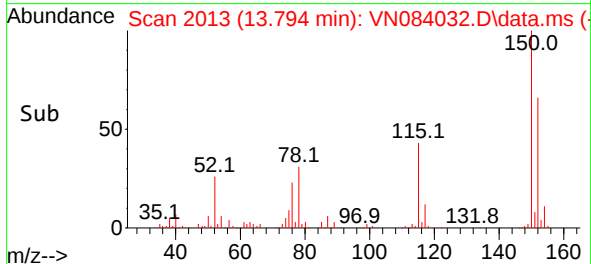
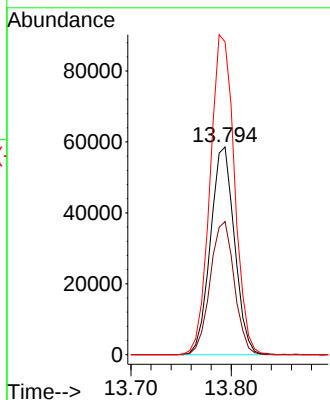
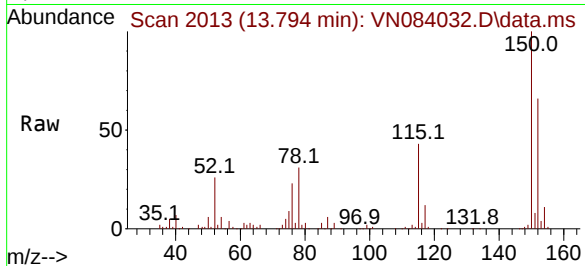




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

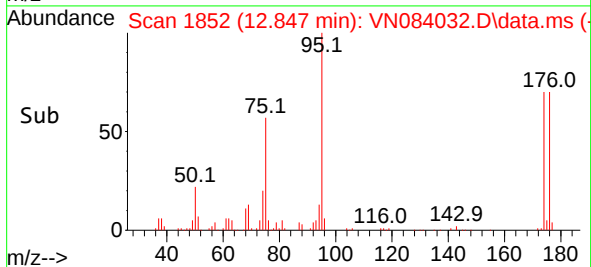
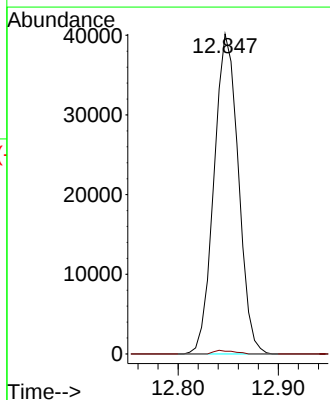
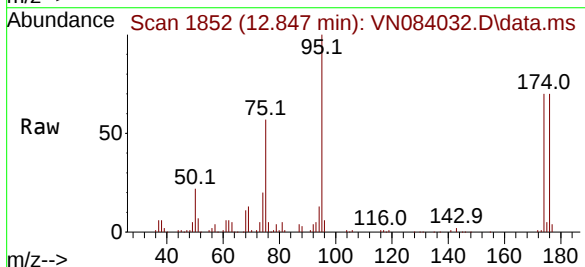
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

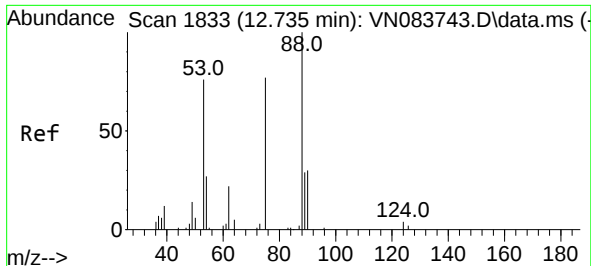
Tgt Ion:152 Resp: 97684
Ion Ratio Lower Upper
152 100
115 64.3 32.2 96.6
150 156.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 34.411 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion: 75 Resp: 67827
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#

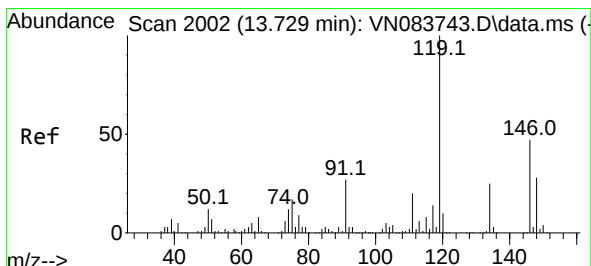
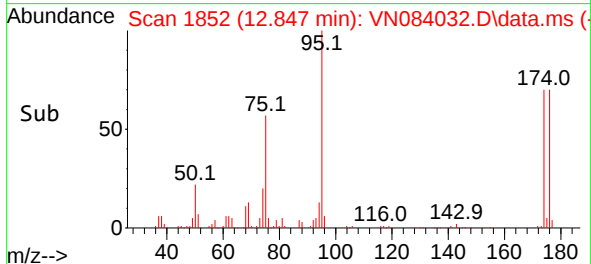
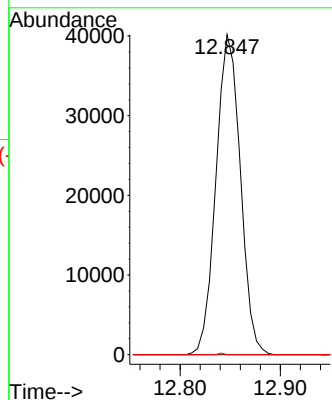
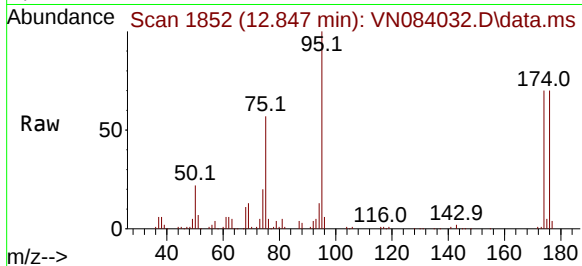




#81
trans-1,4-Dichloro-2-butene
Concen: 90.126 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

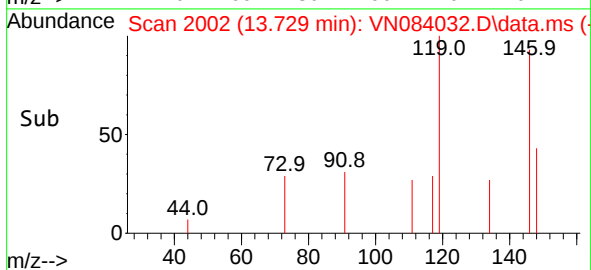
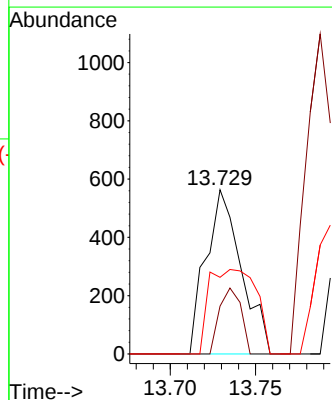
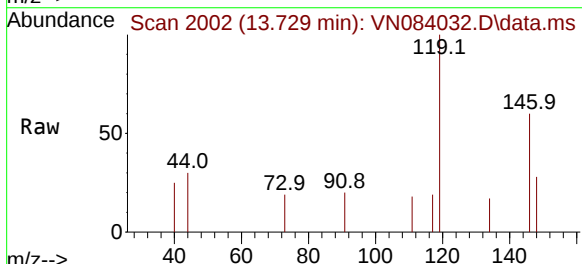
Instrument :
MSVOA_N
ClientSampleId :
VN0919MBL01

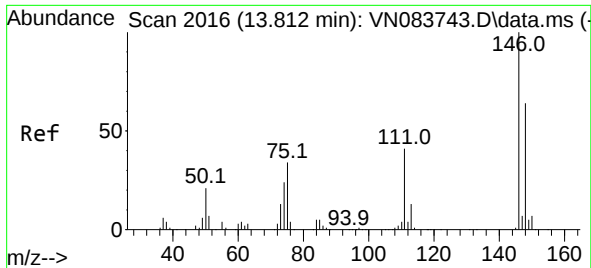
Tgt Ion: 75 Resp: 67827
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.1 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.237 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN084032.D
Acq: 19 Sep 2024 14:18

Tgt Ion:146 Resp: 814
Ion Ratio Lower Upper
146 100
111 24.6 21.7 65.1
148 68.4 31.7 95.1

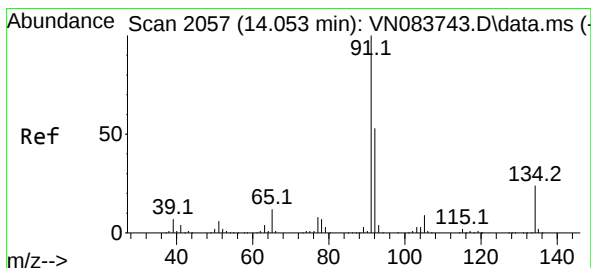
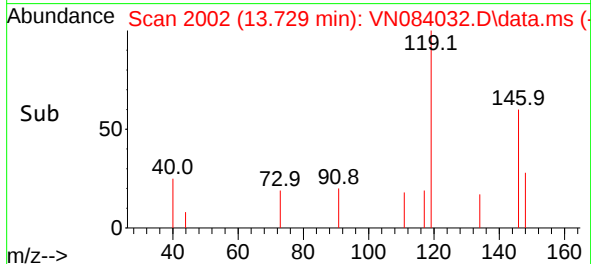
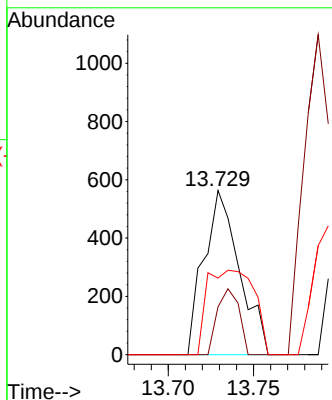
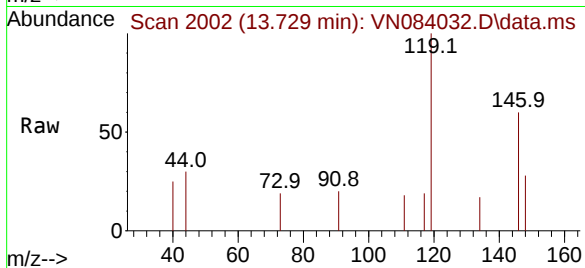




#88
 1,4-Dichlorobenzene
 Concen: 0.234 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.082 min
 Lab File: VN084032.D
 Acq: 19 Sep 2024 14:18

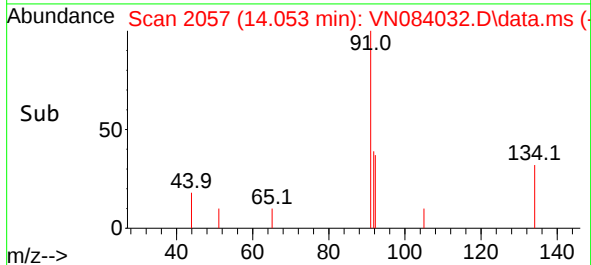
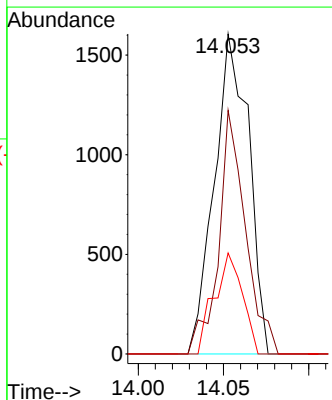
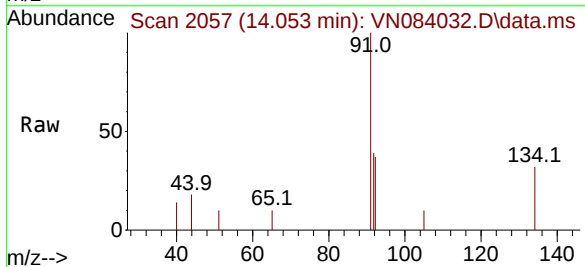
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919MBL01

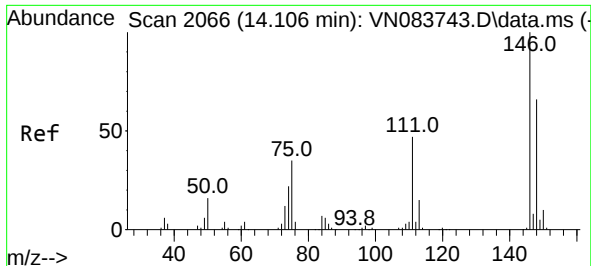
Tgt Ion:146 Resp: 814
 Ion Ratio Lower Upper
 146 100
 111 24.6 21.3 64.0
 148 68.4 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.405 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. -0.000 min
 Lab File: VN084032.D
 Acq: 19 Sep 2024 14:18

Tgt Ion: 91 Resp: 2252
 Ion Ratio Lower Upper
 91 100
 92 59.5 26.7 80.1
 134 25.8 12.2 36.4





#91

1,2-Dichlorobenzene

Concen: 0.265 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. 0.006 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0919MBL01

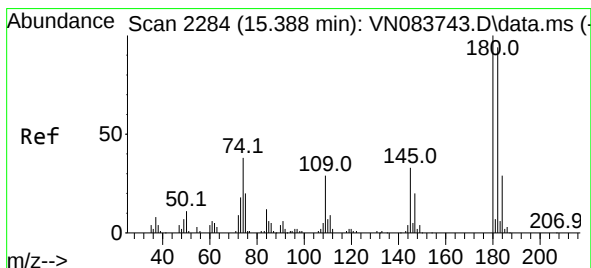
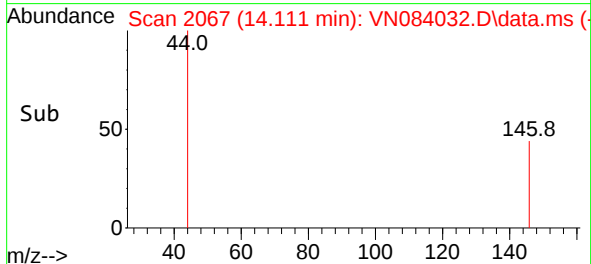
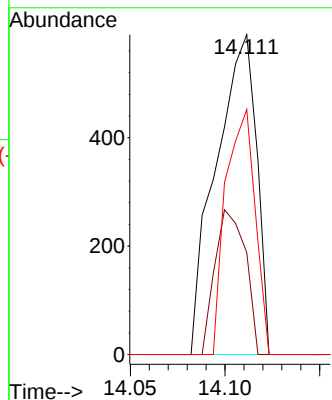
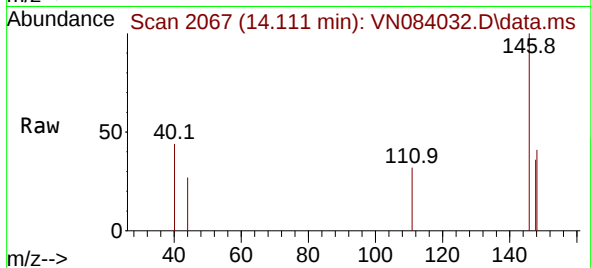
Tgt Ion:146 Resp: 877

Ion Ratio Lower Upper

146 100

111 34.1 22.8 68.3

148 55.2 32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 0.668 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

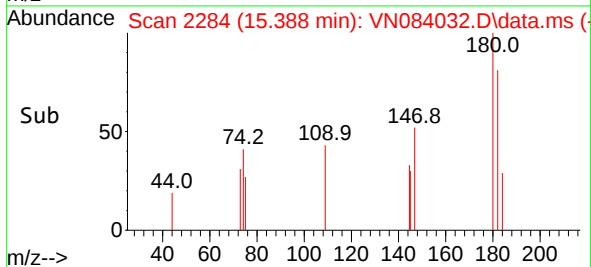
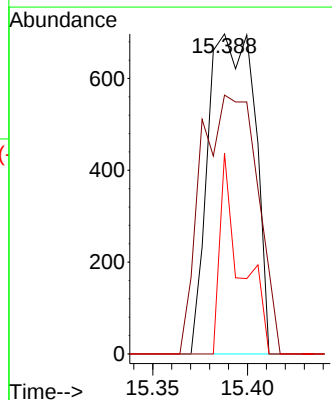
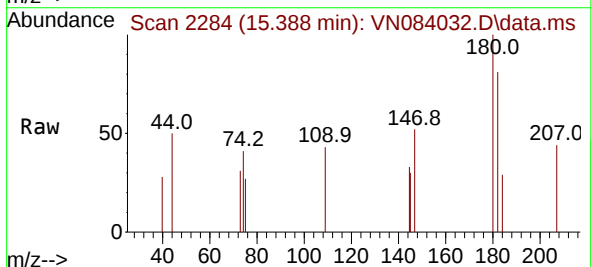
Tgt Ion:180 Resp: 1188

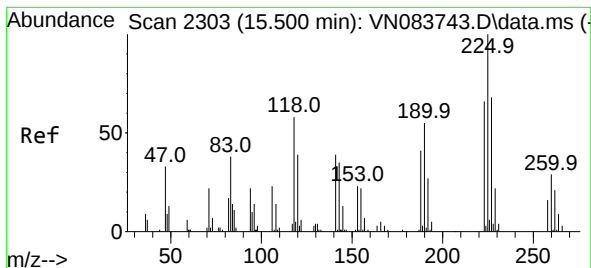
Ion Ratio Lower Upper

180 100

182 98.5 48.1 144.3

145 28.5 16.9 50.7





#94

Hexachlorobutadiene

Concen: 1.177 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

VN0919MBL01

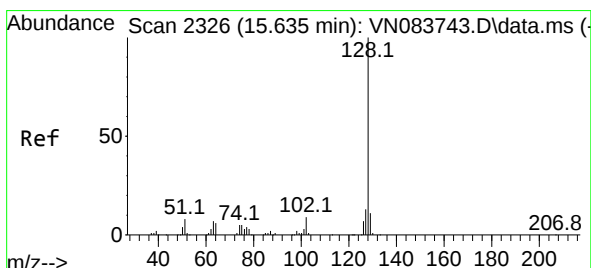
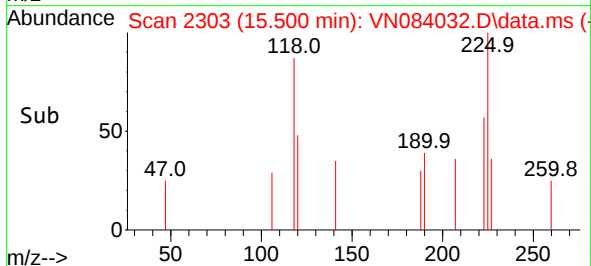
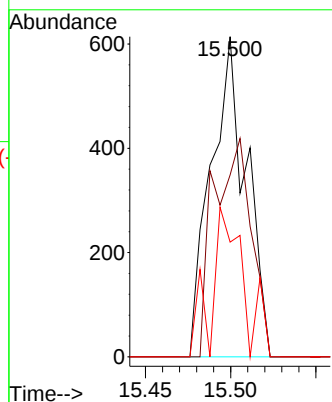
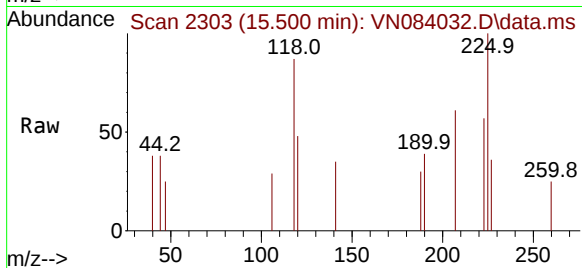
Tgt Ion:225 Resp: 889

Ion Ratio Lower Upper

225 100

223 72.2 31.9 95.5

227 42.1 32.0 96.2



#95

Naphthalene

Concen: 0.956 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084032.D

Acq: 19 Sep 2024 14:18

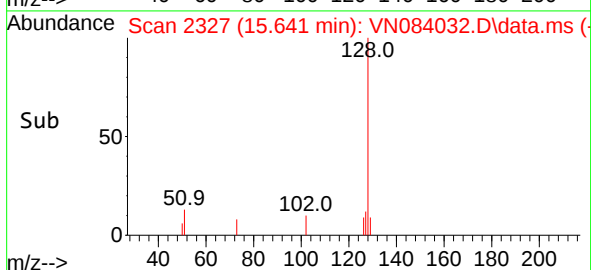
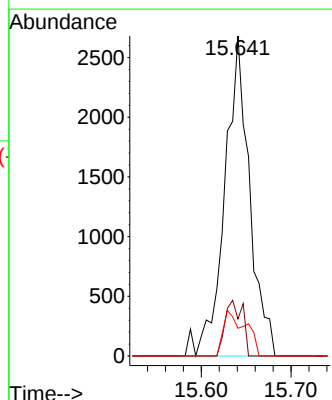
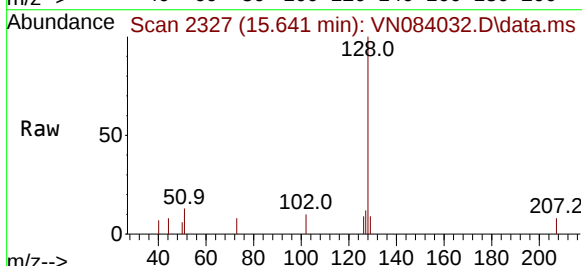
Tgt Ion:128 Resp: 5169

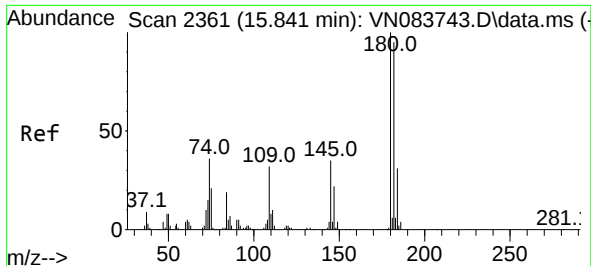
Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.2

129 12.6 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.048 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN084032.D
 Acq: 19 Sep 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919MBL01

Tgt Ion:	180	Resp:	1781
Ion	Ratio	Lower	Upper
180	100		
182	86.0	47.1	141.4
145	25.2	17.8	53.5

