

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083616.D
 Acq On : 03 Sep 2024 10:40
 Operator : JC\MD
 Sample : VN0903WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 02:54:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	151704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	325564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152790	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114070	53.801	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.600%	
35) Dibromofluoromethane	8.165	113	93802	50.484	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	10.565	98	335642	46.419	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.840%	
62) 4-Bromofluorobenzene	12.847	95	150202	56.037	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.080%	

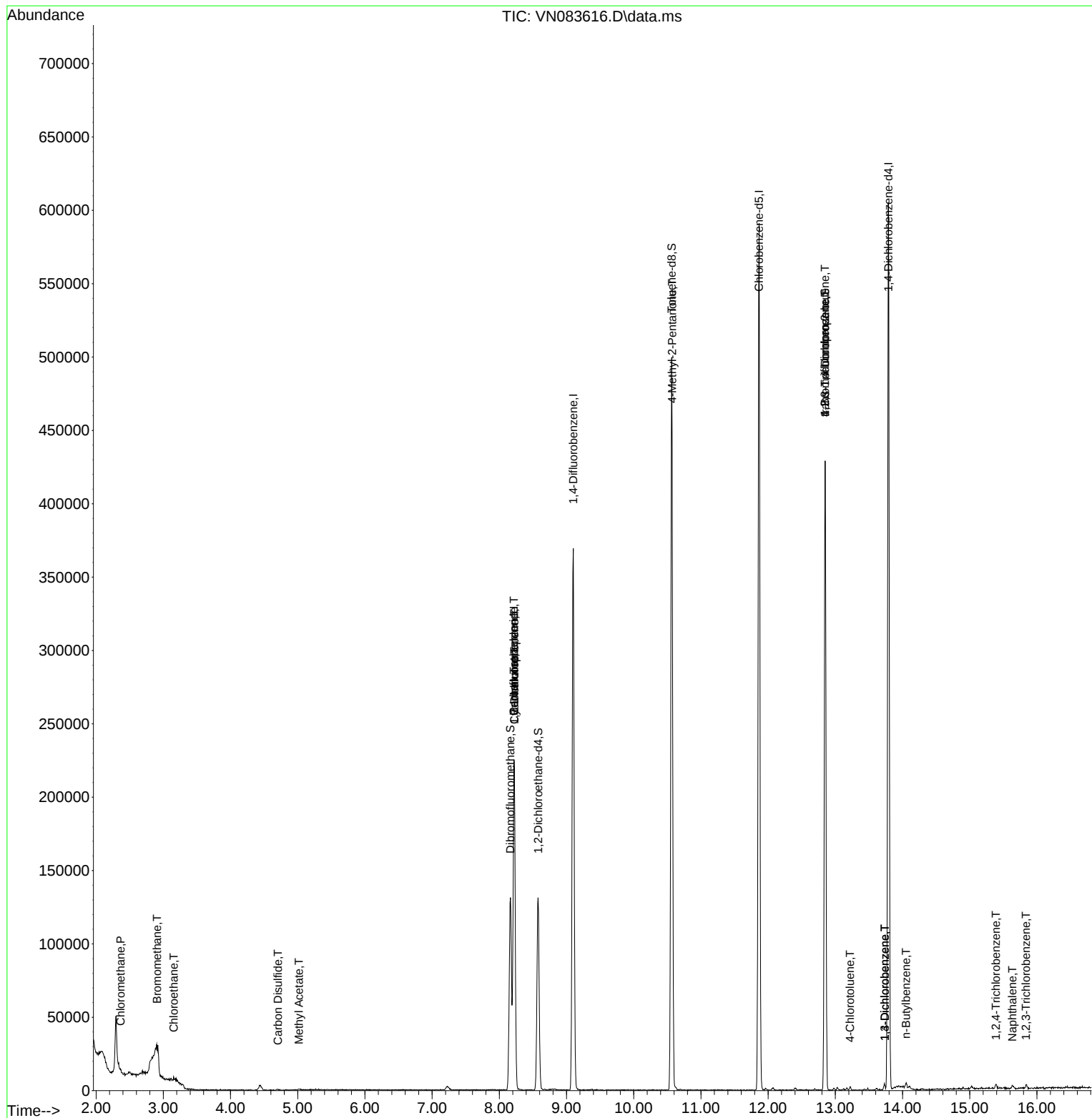
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	822	0.440	ug/l #	41
5) Bromomethane	2.907	94	508	0.516	ug/l #	16
6) Chloroethane	3.154	64	569	0.465	ug/l #	45
17) Carbon Disulfide	4.706	76	1066	0.220	ug/l #	75
18) Methyl Acetate	5.018	43	1136	0.505	ug/l #	52
31) Cyclohexane	8.224	56	3991	1.217	ug/l #	8
36) 1,1-Dichloropropene	8.224	75	14585	5.146	ug/l #	51
38) Carbon Tetrachloride	8.218	117	16875	5.219	ug/l #	16
43) Isopropyl Acetate	8.671	43	269	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.571	43	1662	0.634	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	84193	27.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	84193	64.372	ug/l #	9
82) 4-Chlorotoluene	13.218	91	1966	0.209	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1252	0.222	ug/l	94
88) 1,4-Dichlorobenzene	13.735	146	1252	0.216	ug/l	94
89) n-Butylbenzene	14.053	91	2000	0.221	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	1231	0.400	ug/l	97
95) Naphthalene	15.635	128	3070	0.311	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.835	180	1102	0.359	ug/l	87

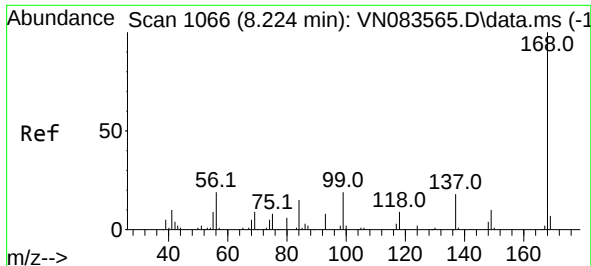
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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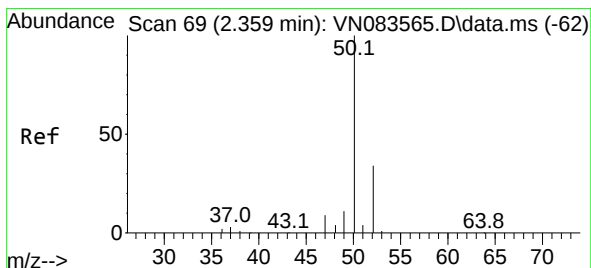
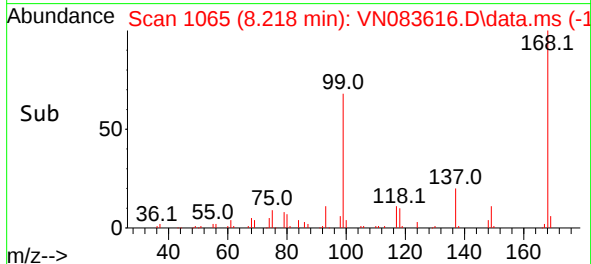
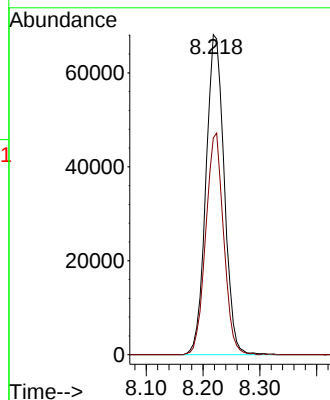
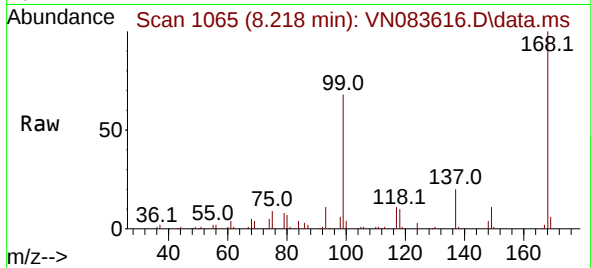




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

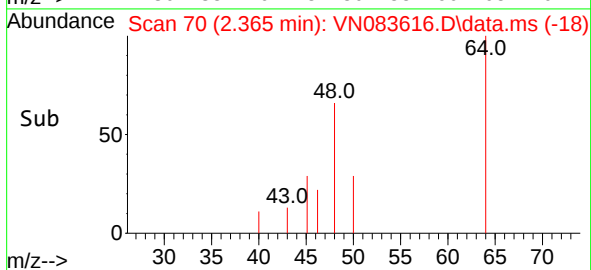
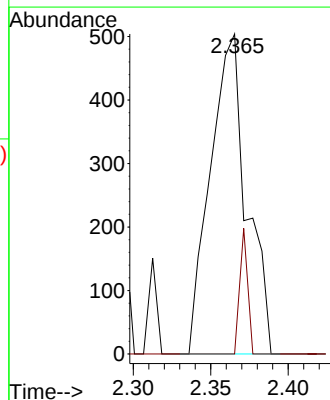
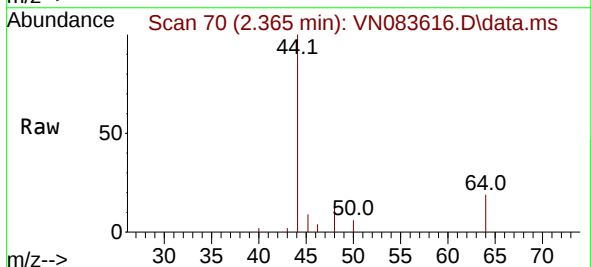
Instrument :
MSVOA_N
ClientSampleId :

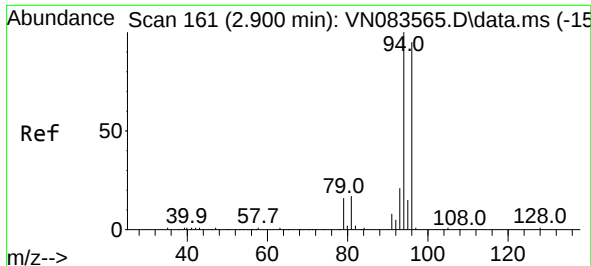
Tgt Ion:168 Resp: 151704
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: 0.440 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

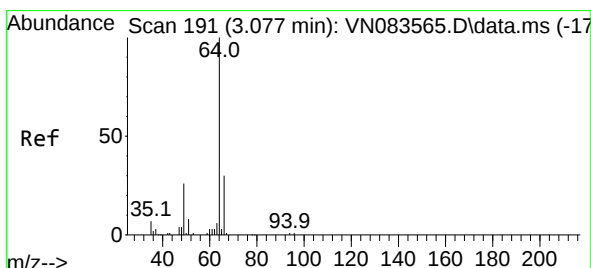
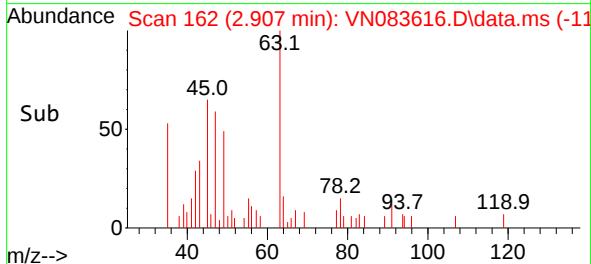
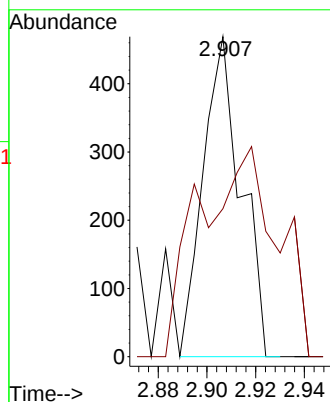
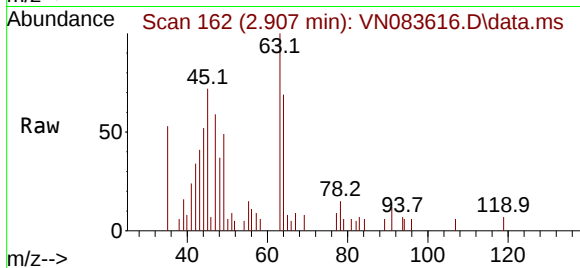




#5
Bromomethane
Concen: 0.516 ug/l
RT: 2.907 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

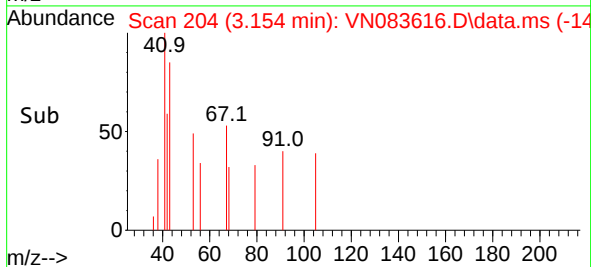
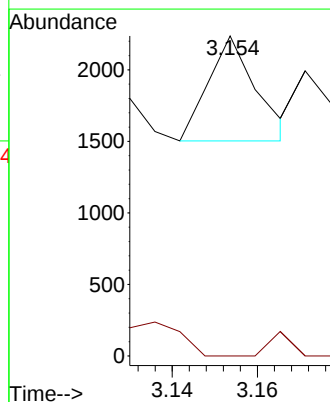
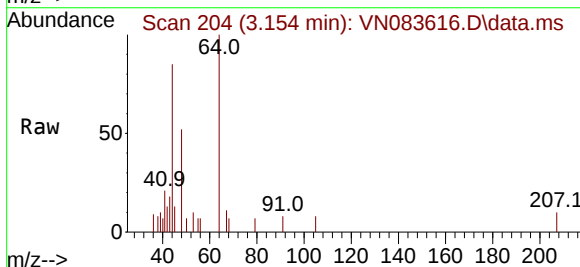
Instrument :
MSVOA_N
ClientSampleId :

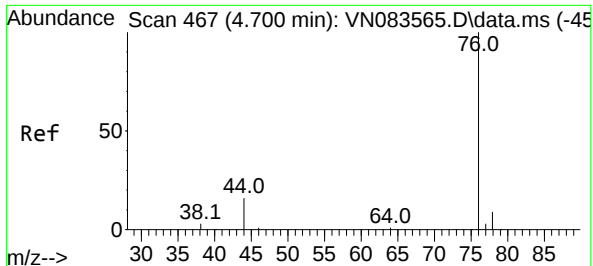
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 13.9 76.0 114.0#



#6
Chloroethane
Concen: 0.465 ug/l
RT: 3.154 min Scan# 204
Delta R.T. 0.077 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

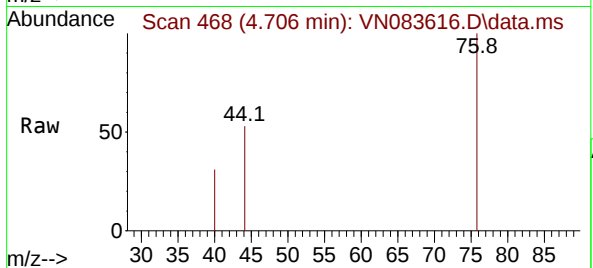
Tgt Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



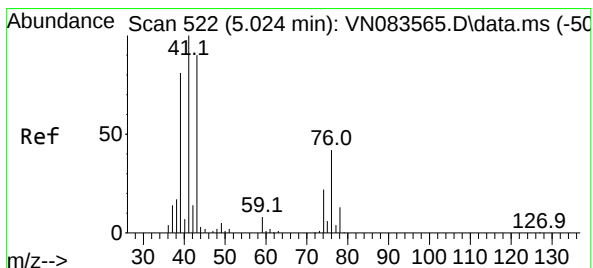
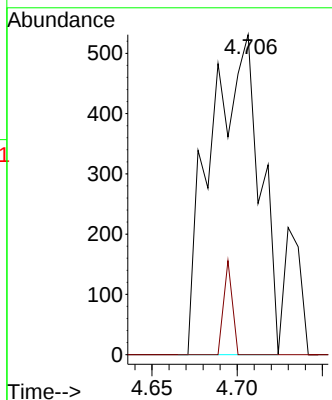
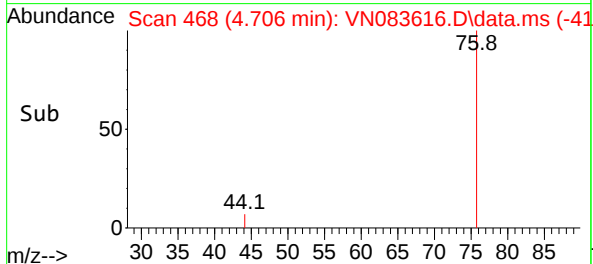


#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :

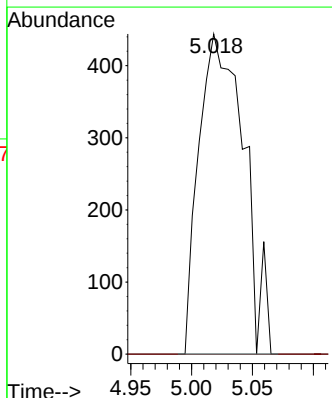
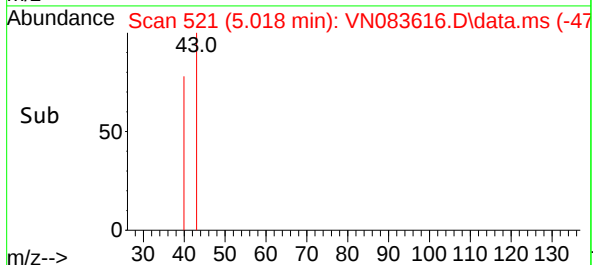
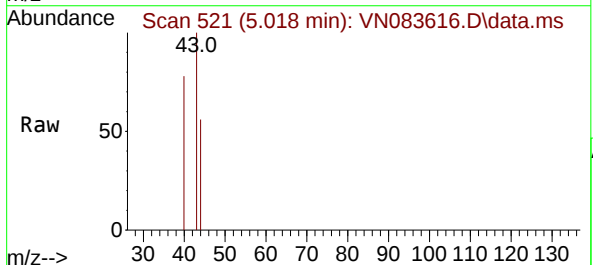


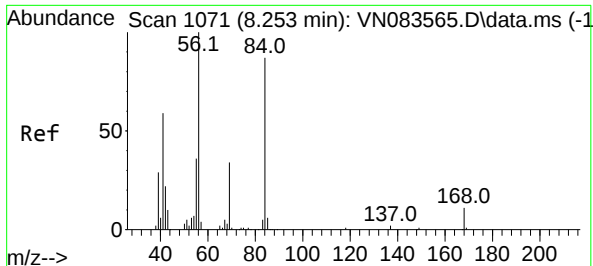
Tgt Ion: 76 Resp: 1066
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

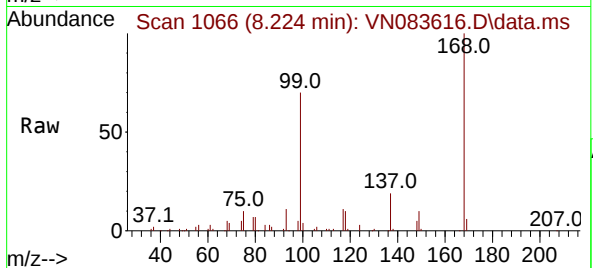
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



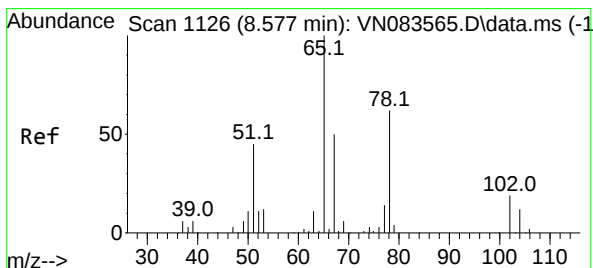
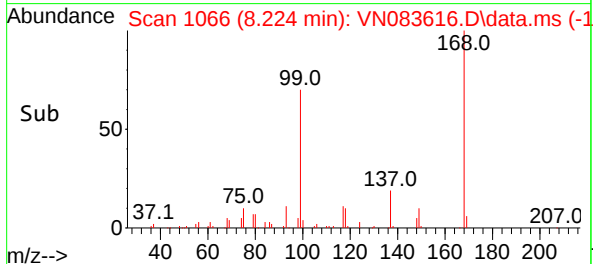
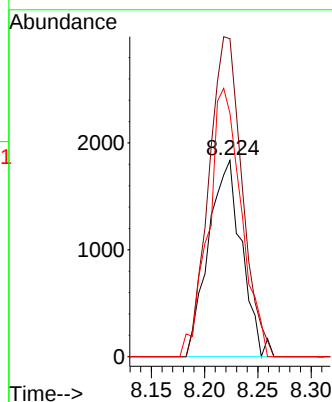


#31
Cyclohexane
Concen: 1.217 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :

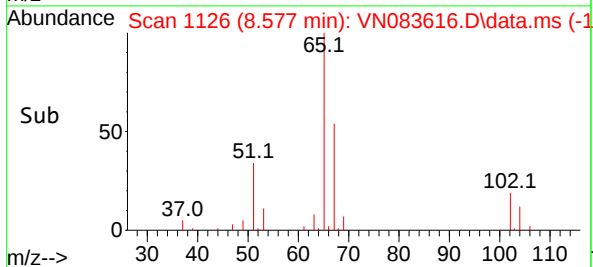
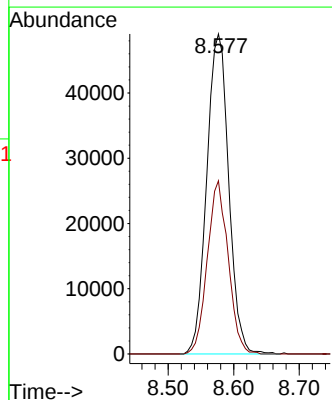
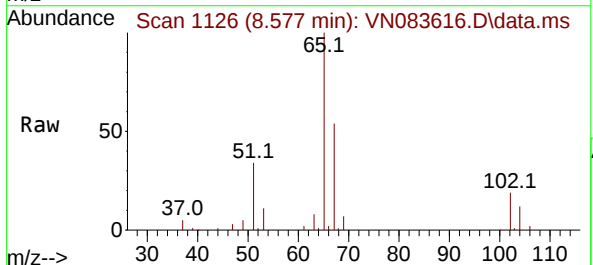


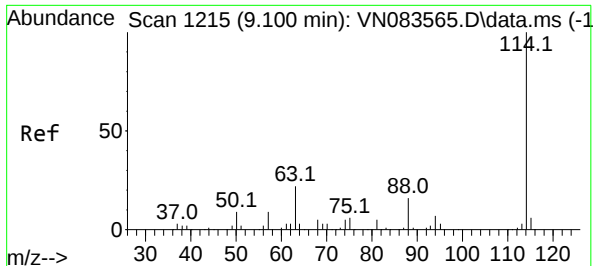
Tgt Ion: 56 Resp: 3991
Ion Ratio Lower Upper
56 100
69 161.9 26.9 40.3#
84 123.9 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 53.801 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Tgt Ion: 65 Resp: 114070
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

Instrument :

MSVOA_N

ClientSampleId :

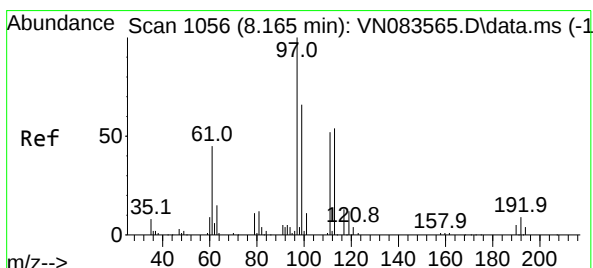
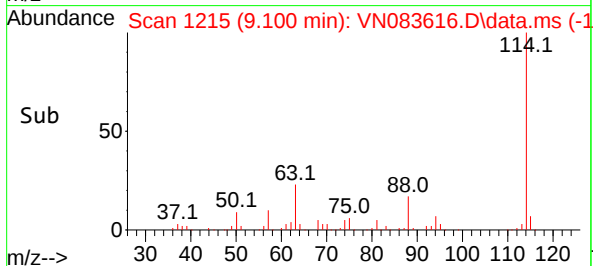
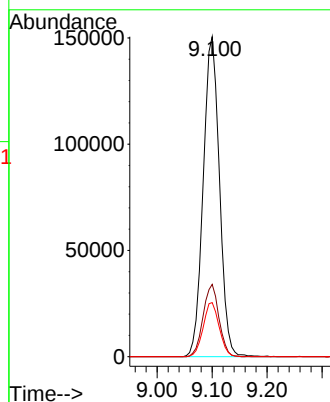
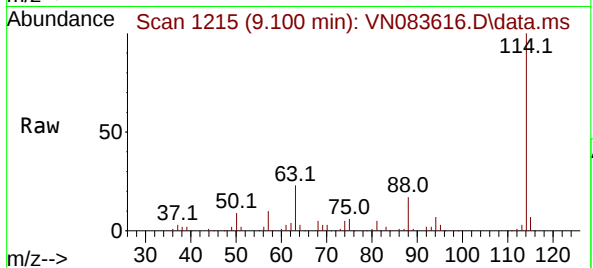
Tgt Ion:114 Resp: 308710

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.4

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.484 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

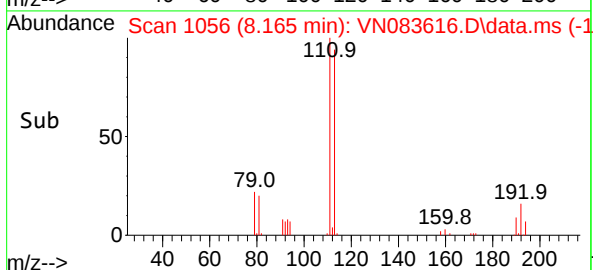
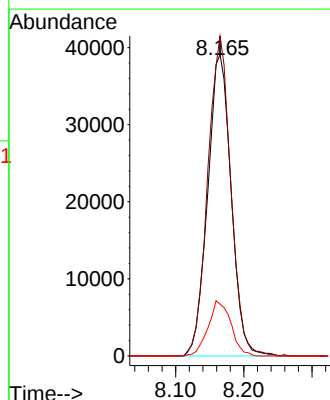
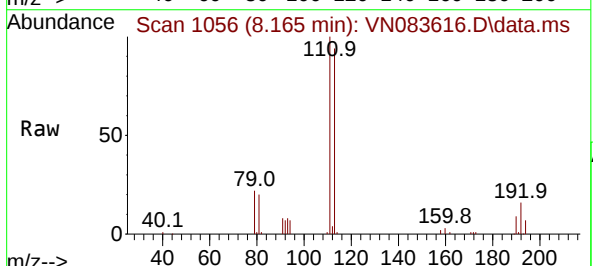
Tgt Ion:113 Resp: 93802

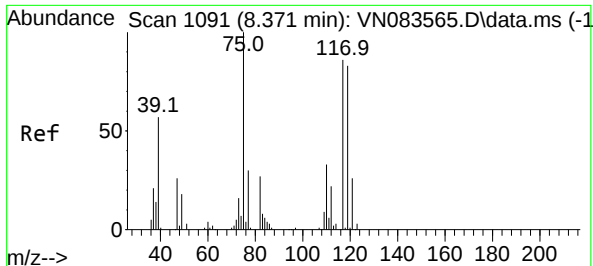
Ion Ratio Lower Upper

113 100

111 104.0 82.6 124.0

192 17.8 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.146 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

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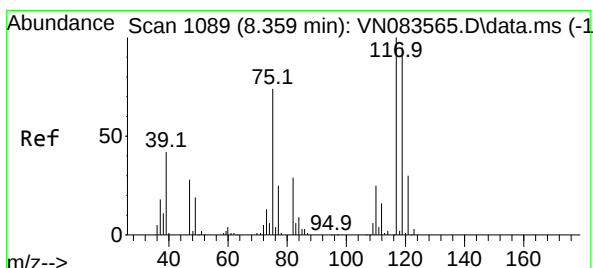
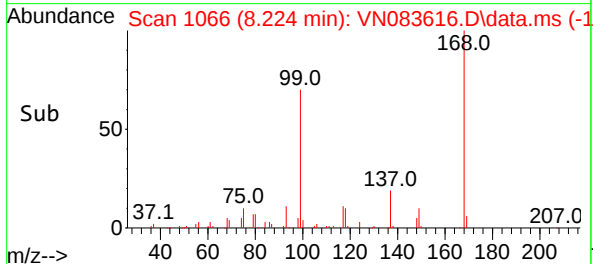
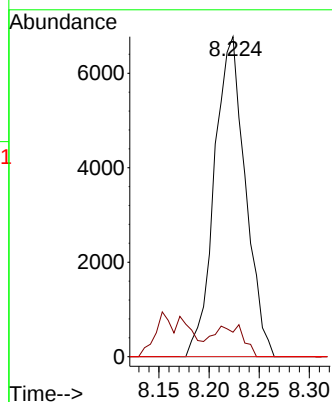
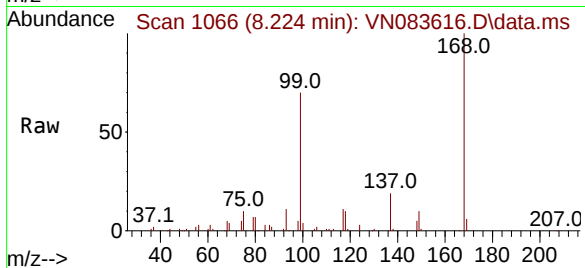
Tgt Ion: 75 Resp: 14585

Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.219 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

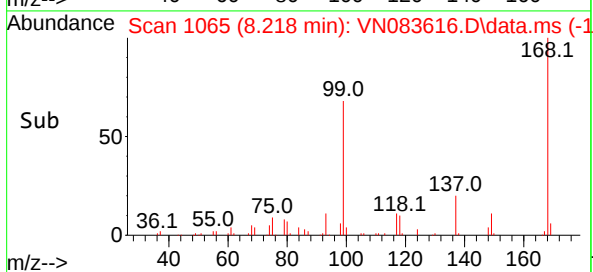
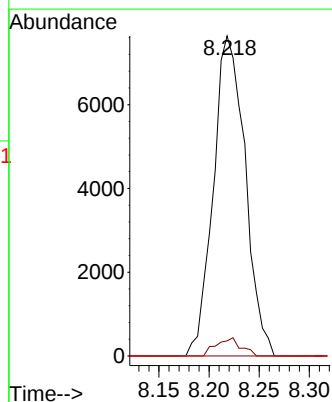
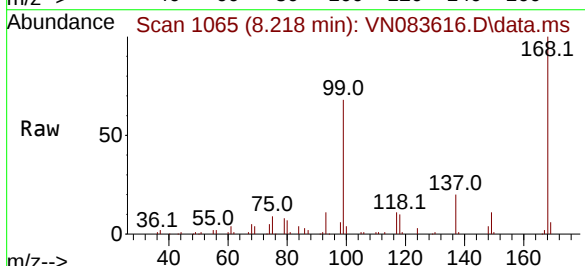
Tgt Ion: 117 Resp: 16875

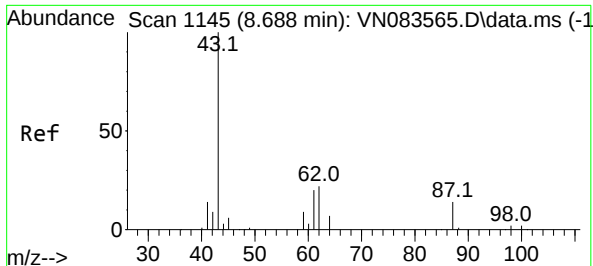
Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.671 min Scan# 1145

Delta R.T. -0.017 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

Instrument :

MSVOA_N

ClientSampleId :

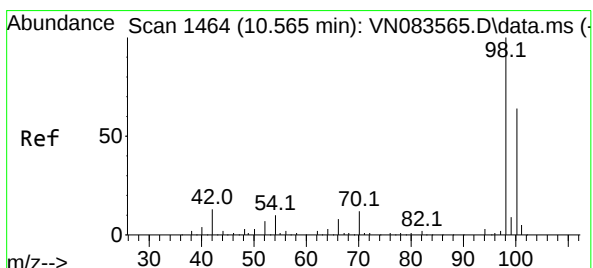
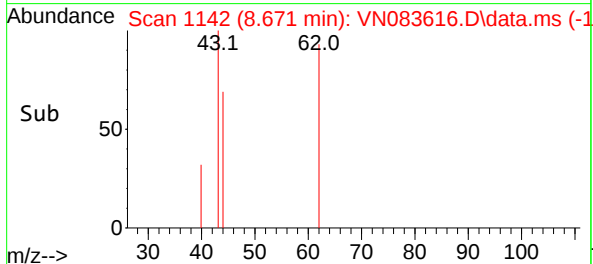
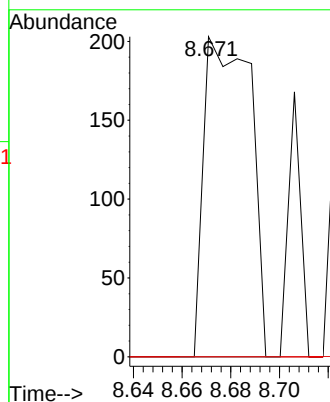
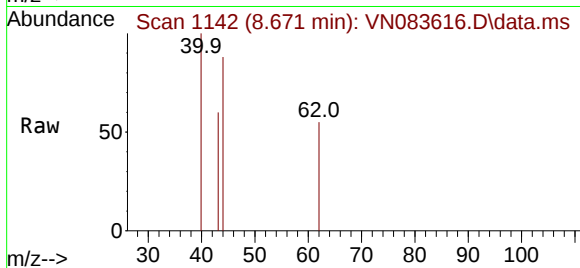
Tgt Ion: 43 Resp: 269

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#50

Toluene-d8

Concen: 46.419 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083616.D

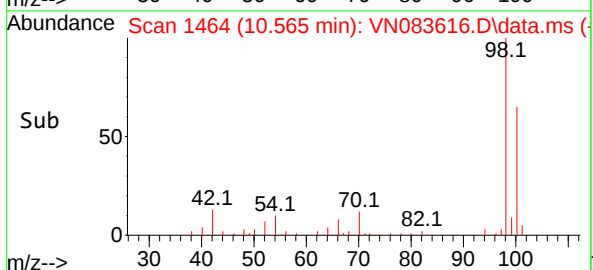
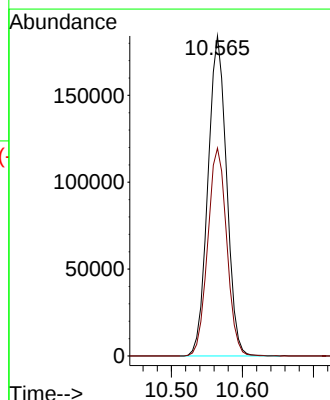
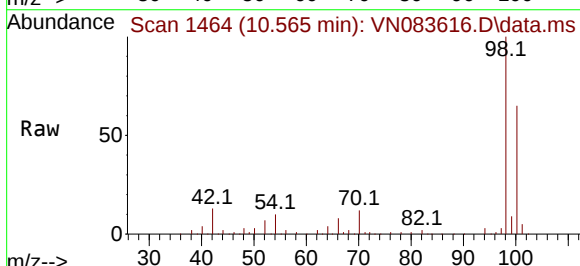
Acq: 03 Sep 2024 10:40

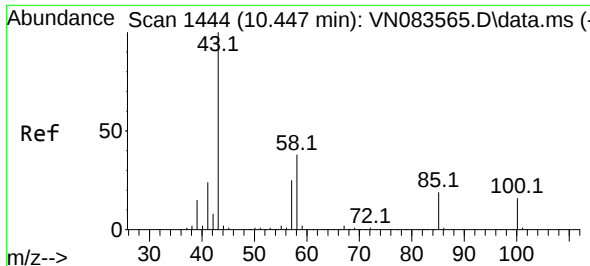
Tgt Ion: 98 Resp: 335642

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0

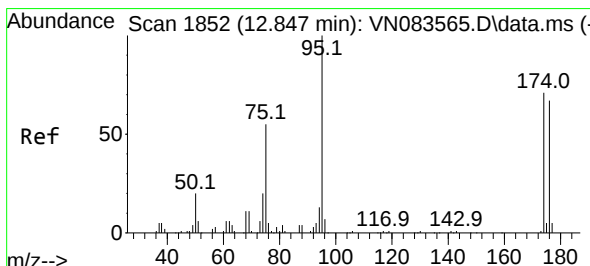
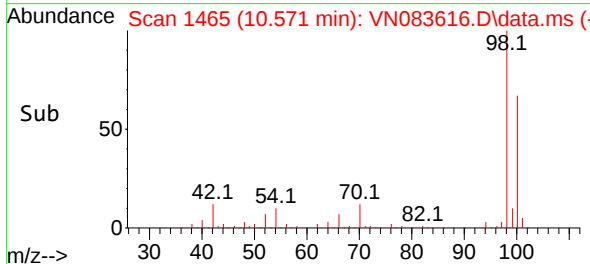
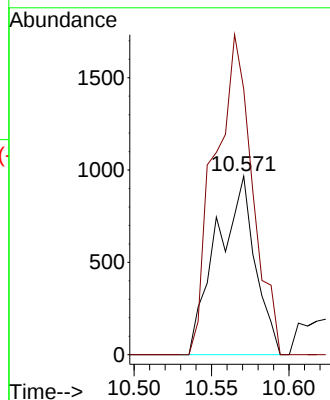
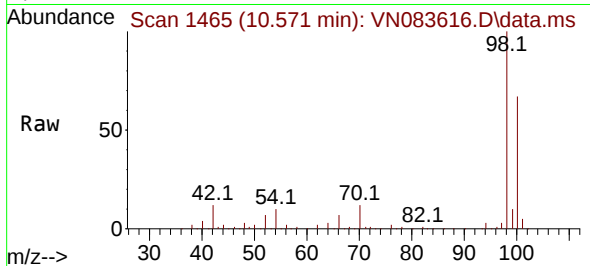




#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

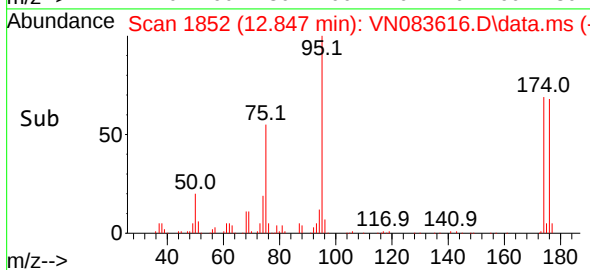
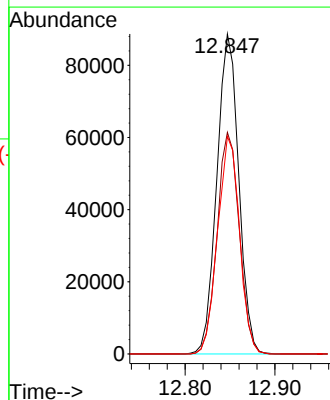
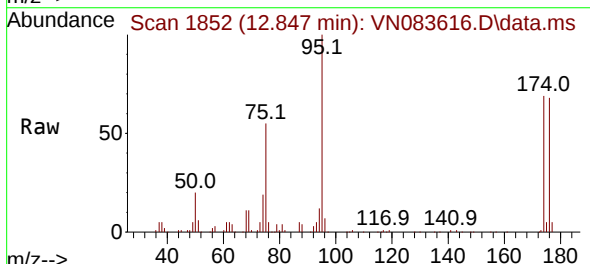
Instrument :
MSVOA_N
ClientSampleId :

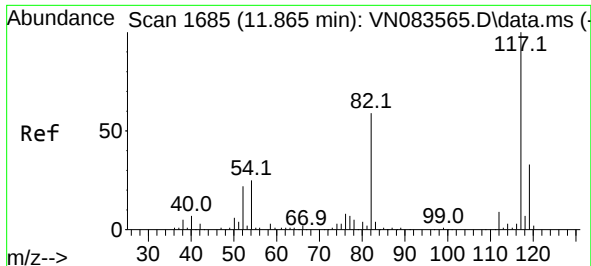
Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
58 176.9 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 56.037 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Tgt Ion: 95 Resp: 150202
Ion Ratio Lower Upper
95 100
174 70.1 0.0 139.8
176 68.1 0.0 131.4

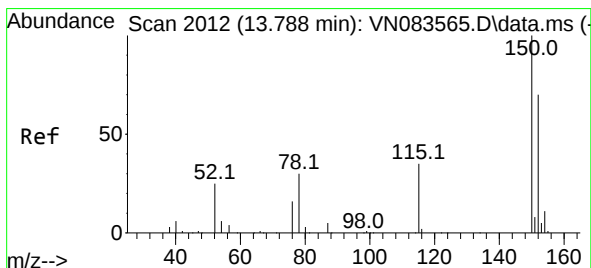
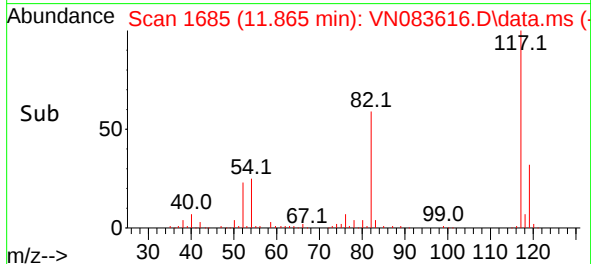
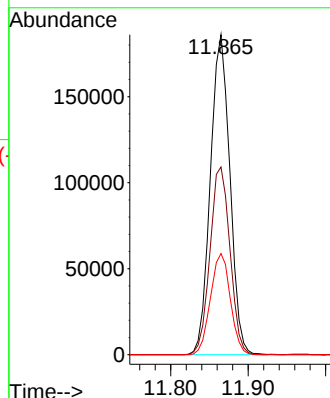
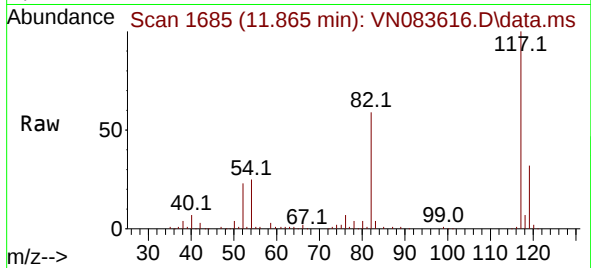




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

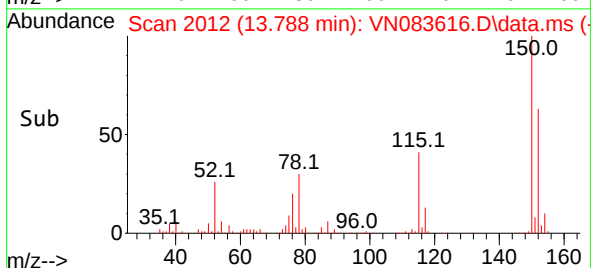
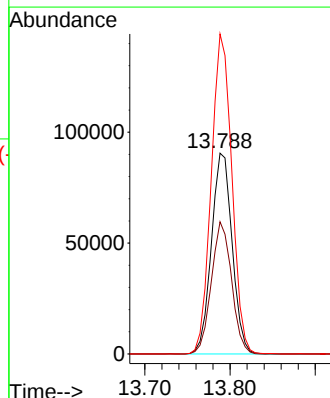
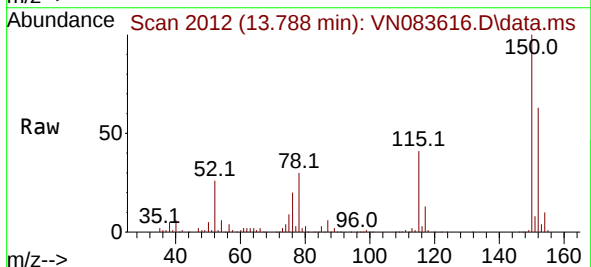
Instrument :
MSVOA_N
ClientSampleId :

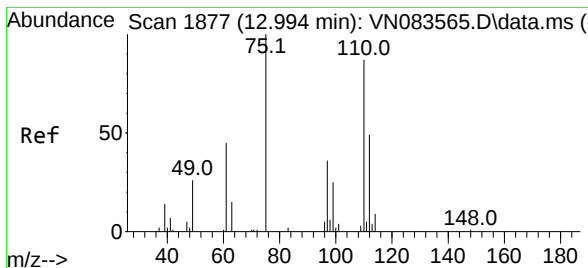
Tgt Ion:117 Resp: 325564
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.0
119 31.6 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Tgt Ion:152 Resp: 152790
Ion Ratio Lower Upper
152 100
115 64.2 32.2 96.6
150 158.2 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.293 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

Instrument :

MSVOA_N

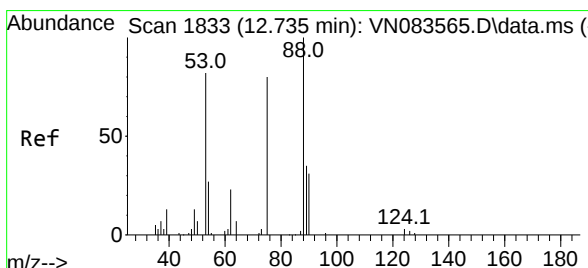
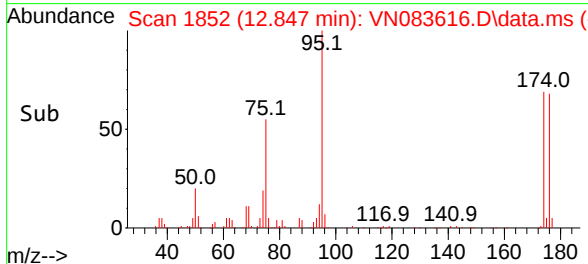
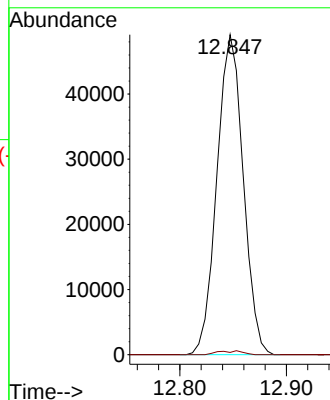
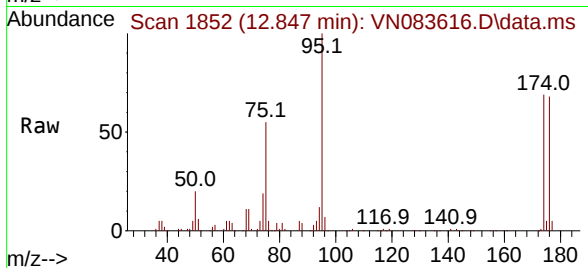
ClientSampleId :

Tgt Ion: 75 Resp: 84193

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.372 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

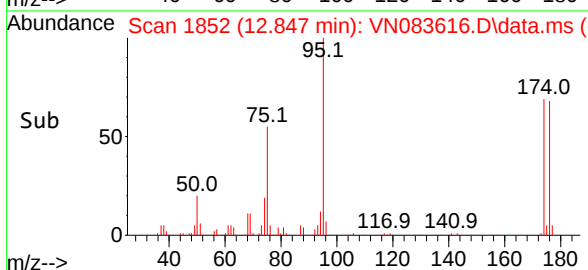
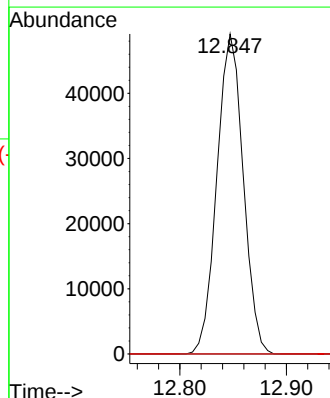
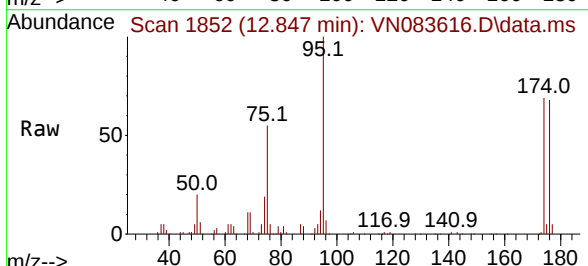
Tgt Ion: 75 Resp: 84193

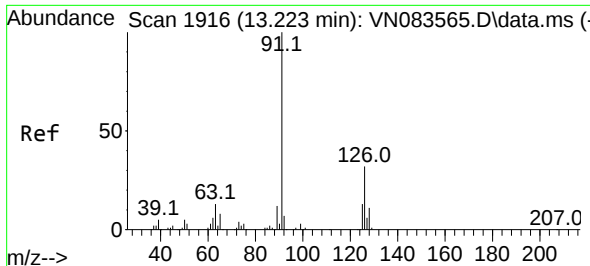
Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

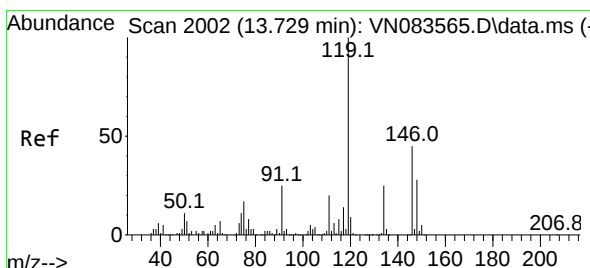
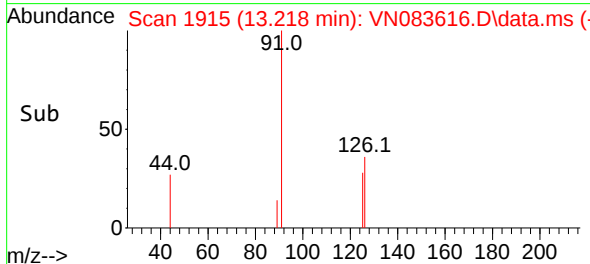
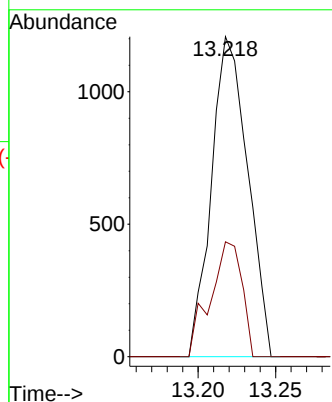
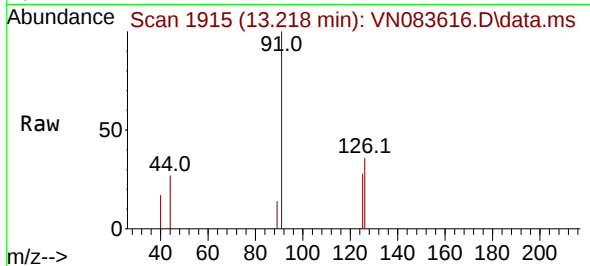




#82
4-Chlorotoluene
Concen: 0.209 ug/l
RT: 13.218 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

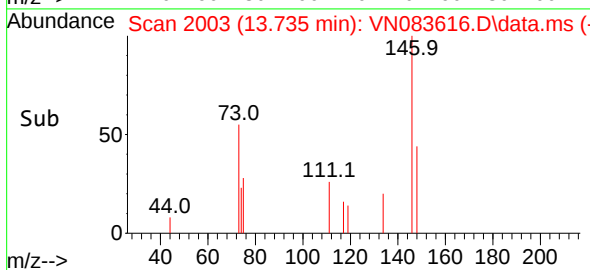
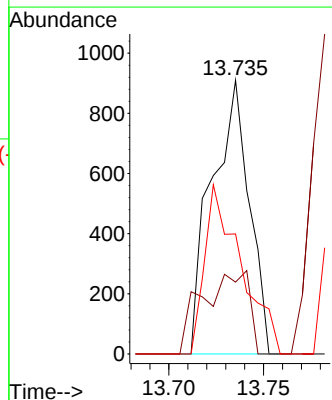
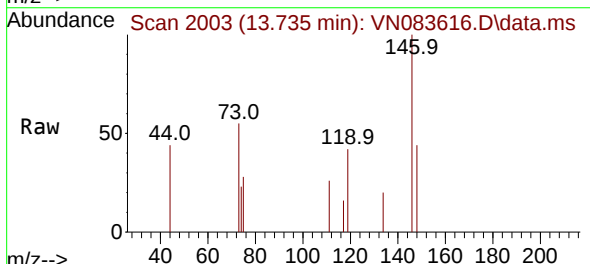
Instrument :
MSVOA_N
ClientSampleId :

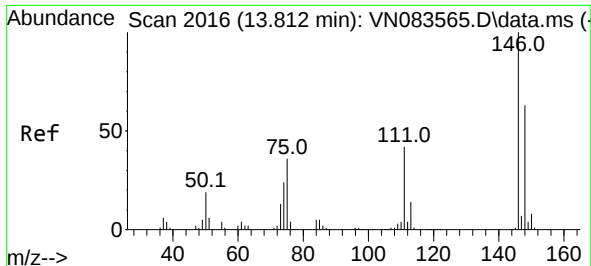
Tgt Ion: 91 Resp: 1966
Ion Ratio Lower Upper
91 100
126 31.3 15.4 46.2



#87
1,3-Dichlorobenzene
Concen: 0.222 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

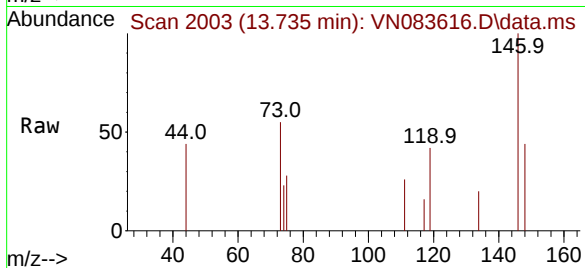
Tgt Ion: 146 Resp: 1252
Ion Ratio Lower Upper
146 100
111 37.7 21.7 65.1
148 60.1 31.7 95.1



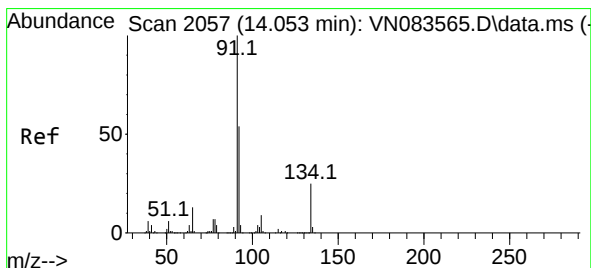
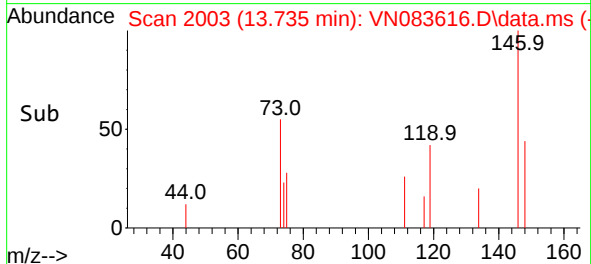
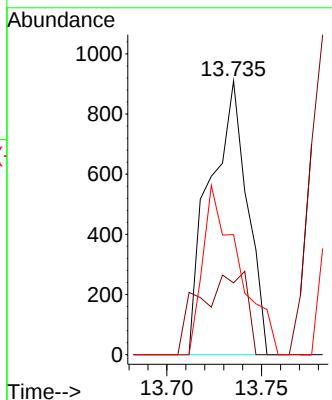


#88
1,4-Dichlorobenzene
Concen: 0.216 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Instrument :
MSVOA_N
ClientSampleId :

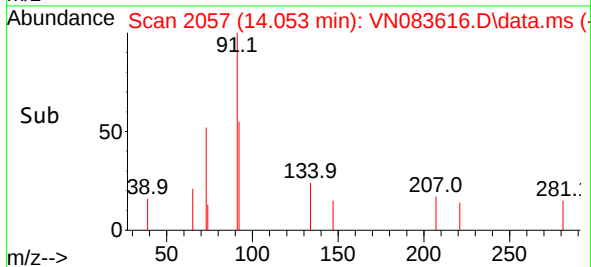
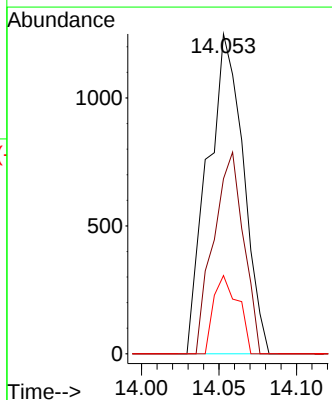
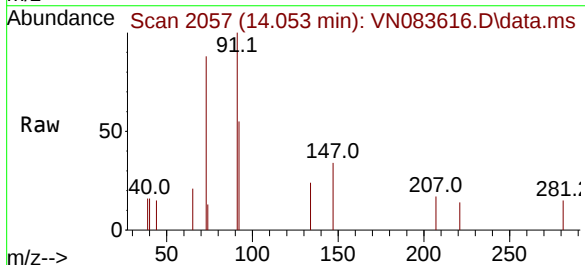


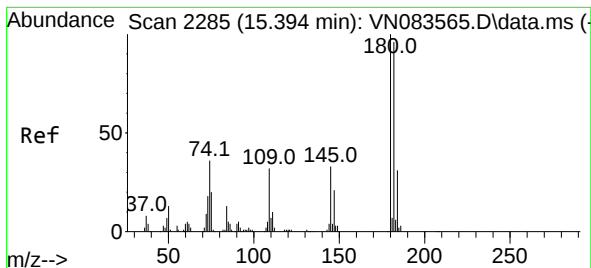
Tgt Ion:146 Resp: 1252
Ion Ratio Lower Upper
146 100
111 37.7 21.3 64.0
148 60.1 32.0 96.2



#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN083616.D
Acq: 03 Sep 2024 10:40

Tgt Ion: 91 Resp: 2000
Ion Ratio Lower Upper
91 100
92 53.1 26.7 80.1
134 16.8 12.2 36.4





#93

1,2,4-Trichlorobenzene

Concen: 0.400 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

Instrument :

MSVOA_N

ClientSampleId :

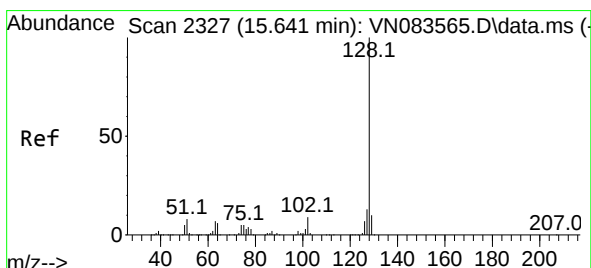
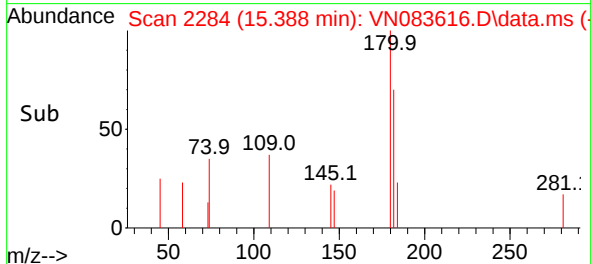
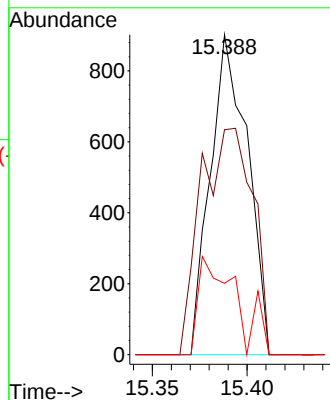
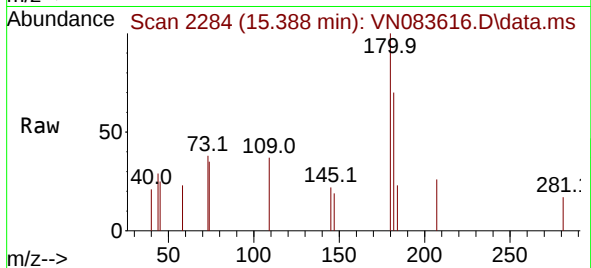
Tgt Ion:180 Resp: 1231

Ion Ratio Lower Upper

180 100

182 98.8 48.1 144.3

145 31.4 16.9 50.7



#95

Naphthalene

Concen: 0.311 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN083616.D

Acq: 03 Sep 2024 10:40

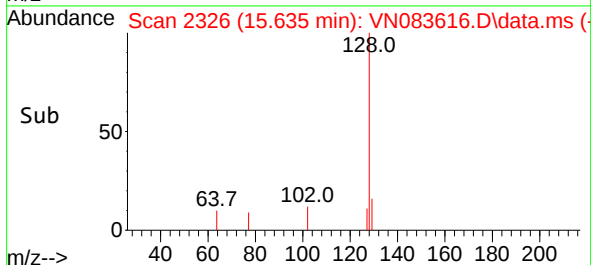
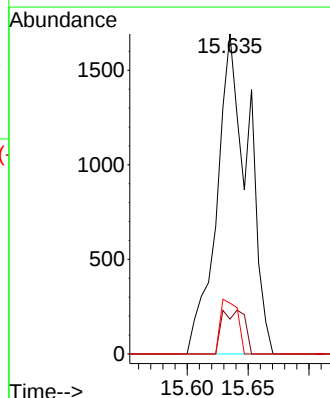
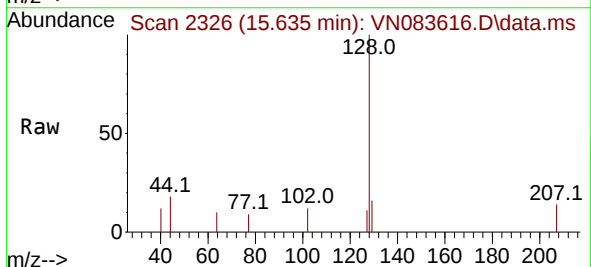
Tgt Ion:128 Resp: 3070

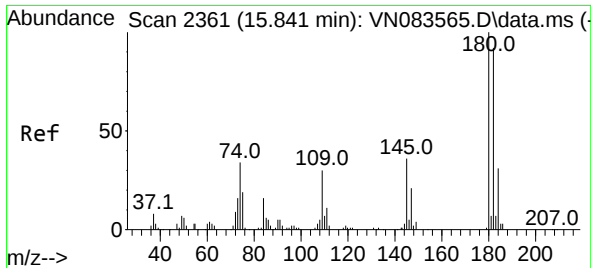
Ion Ratio Lower Upper

128 100

127 9.8 10.2 15.2#

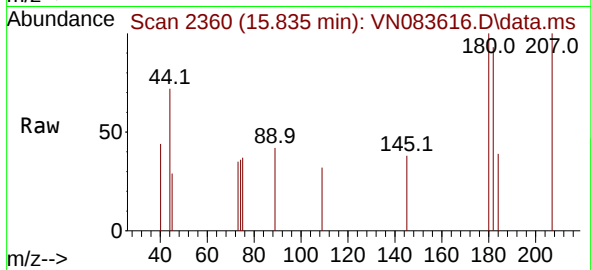
129 9.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN083616.D
 Acq: 03 Sep 2024 10:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1102
Ion	Ratio	Lower	Upper
180	100		
182	102.3	47.1	141.4
145	20.5	17.8	53.5

