

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081524\
 Data File : VN083321.D
 Acq On : 15 Aug 2024 11:00
 Operator : JC\MD
 Sample : VN0815MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 16 01:46:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:30:41 2024
 Response via : Initial Calibration

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

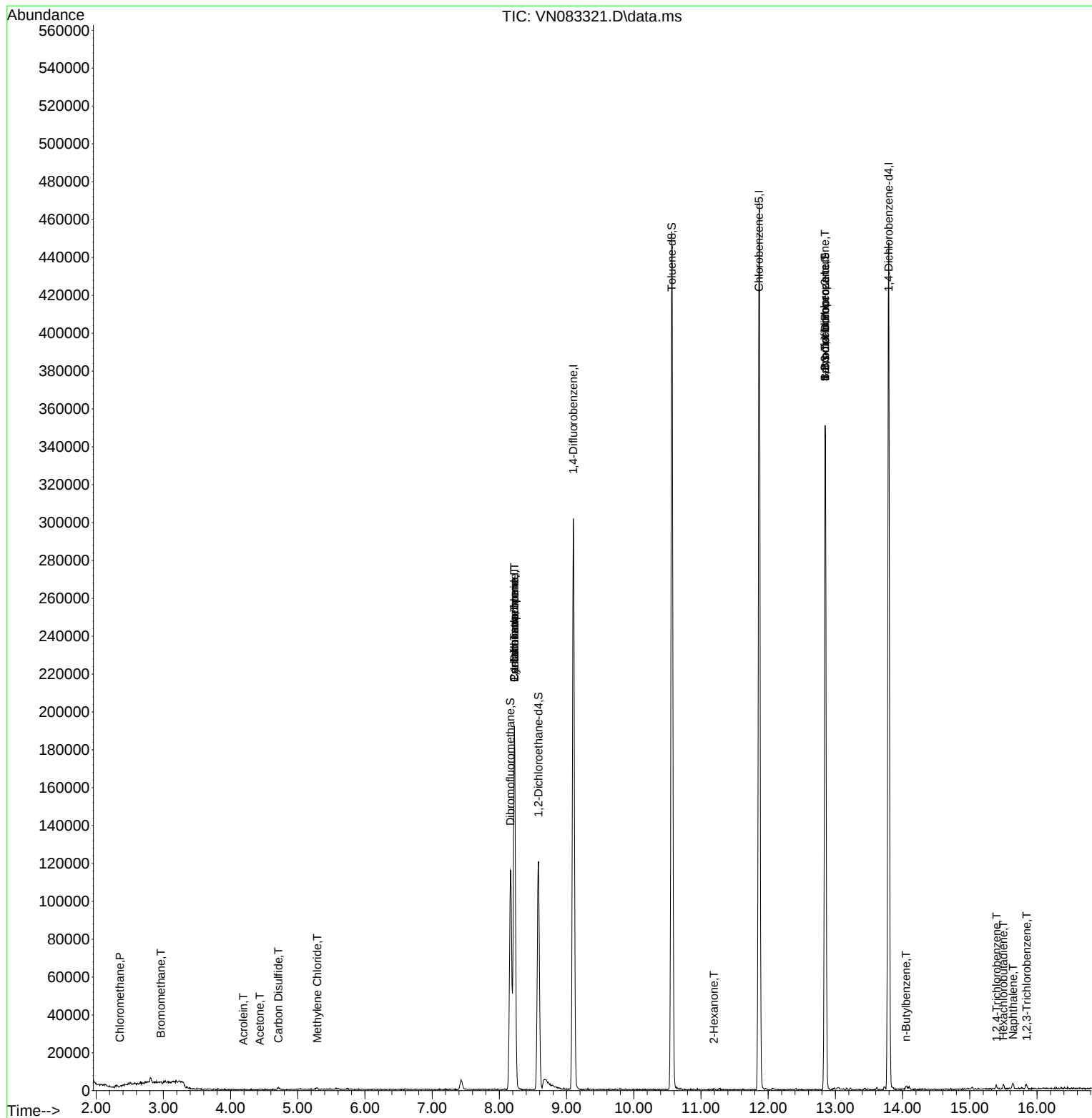
Internal Standards						
1) Pentafluorobenzene	8.224	168	130235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	105333	56.822	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.640%			
35) Dibromofluoromethane	8.165	113	84117	52.872	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.740%			
50) Toluene-d8	10.565	98	313526	52.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.660%			
62) 4-Bromofluorobenzene	12.847	95	128633	55.597	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.200%			
Target Compounds						Qvalue
3) Chloromethane	2.353	50	333	0.220	ug/l #	43
5) Bromomethane	2.965	94	362	0.378	ug/l #	76
13) Acrolein	4.189	56	70	0.279	ug/l #	14
16) Acetone	4.436	43	191	0.263	ug/l #	48
17) Carbon Disulfide	4.712	76	2620	0.620	ug/l #	75
20) Methylene Chloride	5.289	84	542	0.325	ug/l #	39
31) Cyclohexane	8.224	56	3382	1.231	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	11482	4.771	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15091	5.567	ug/l #	17
43) Isopropyl Acetate	8.671	43	3357	Below Cal	#	60
59) 2-Hexanone	11.194	43	415	0.211	ug/l #	28
71) Bromoform	12.847	173	412	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70332	27.696	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70332	60.245	ug/l #	6
89) n-Butylbenzene	14.053	91	1478	0.211	ug/l	93
93) 1,2,4-Trichlorobenzene	15.400	180	944	0.430	ug/l #	84
94) Hexachlorobutadiene	15.500	225	739	0.758	ug/l	86
95) Naphthalene	15.647	128	4168	0.537	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.847	180	1112	0.512	ug/l	96

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :

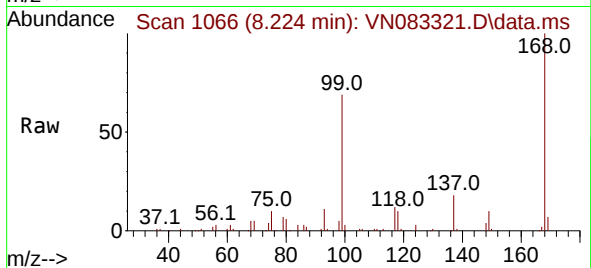
Quant Time: Aug 16 01:46:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:30:41 2024
Response via : Initial Calibration



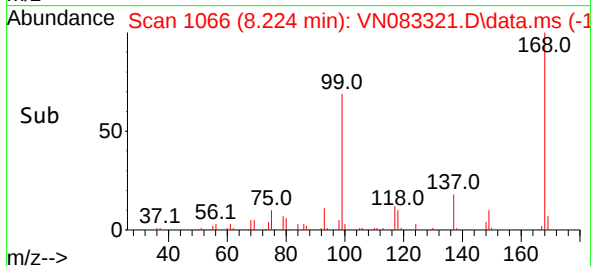
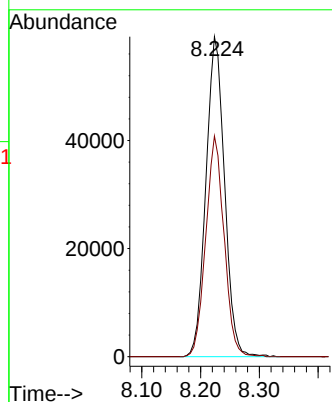


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Instrument :
MSVOA_N
ClientSampleId :

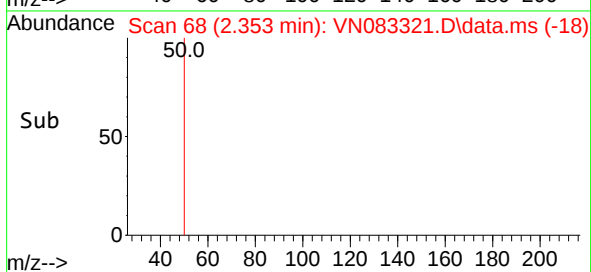
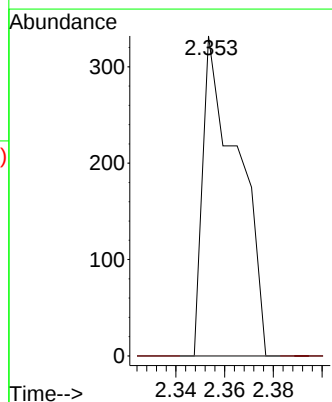
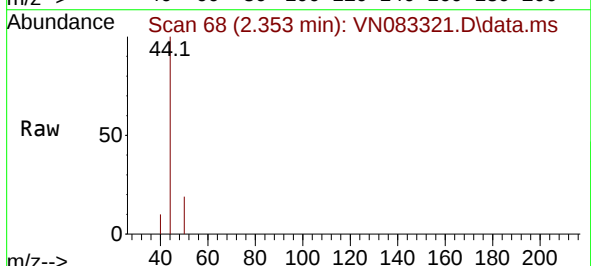


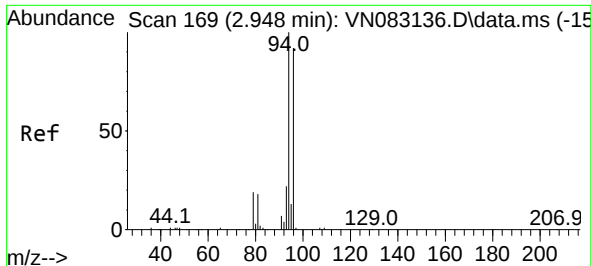
Tgt Ion:168 Resp: 130235
Ion Ratio Lower Upper
168 100
99 69.0 48.2 72.4



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

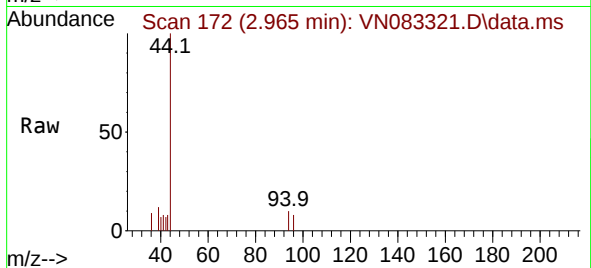
Tgt Ion: 50 Resp: 333
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



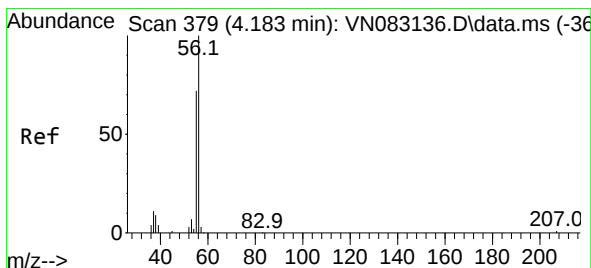
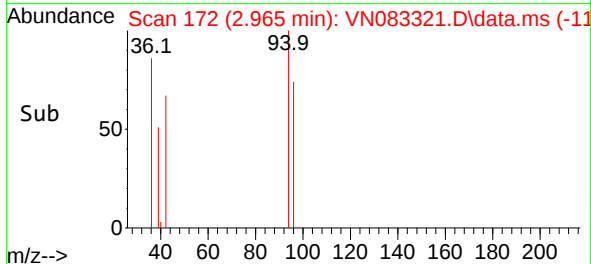
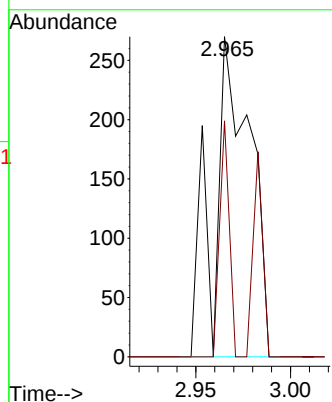


#5
Bromomethane
Concen: 0.378 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Instrument :
MSVOA_N
ClientSampleId :

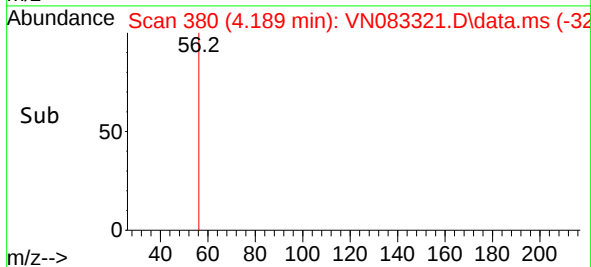
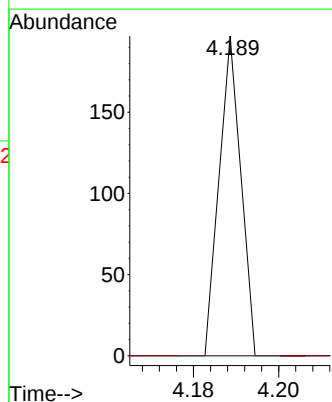
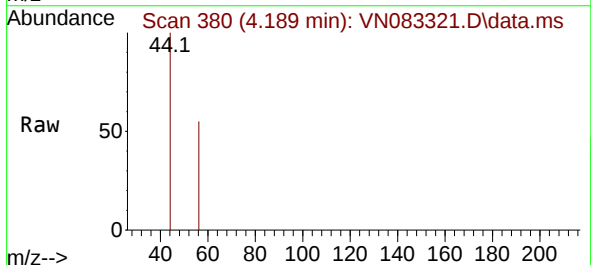


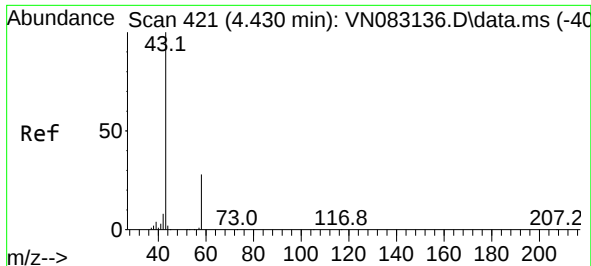
Tgt Ion: 94 Resp: 362
Ion Ratio Lower Upper
94 100
96 73.7 78.0 117.0#



#13
Acrolein
Concen: 0.279 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

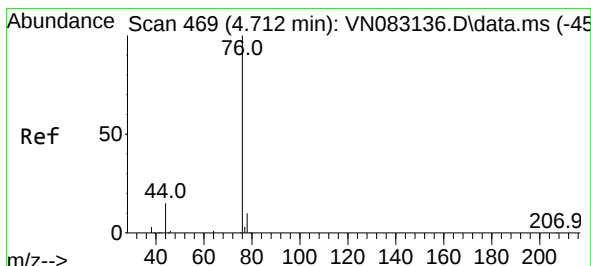
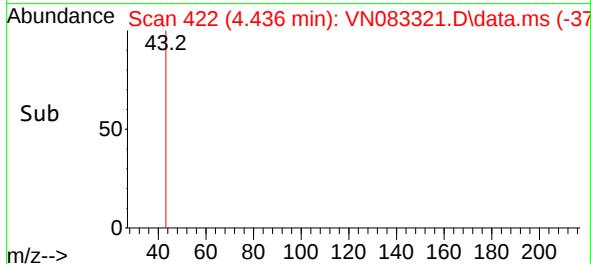
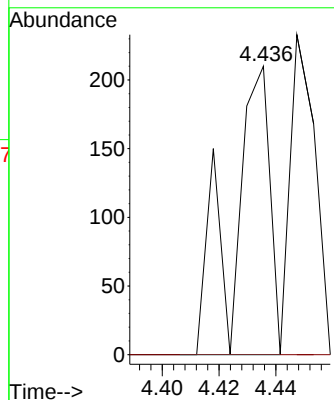
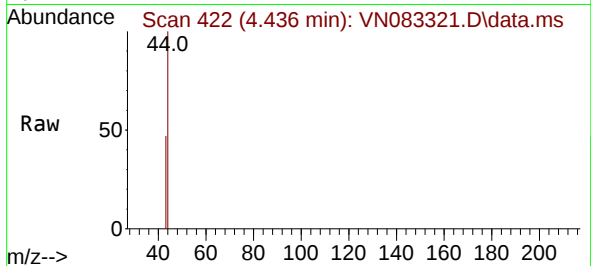




#16
Acetone
Concen: 0.263 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

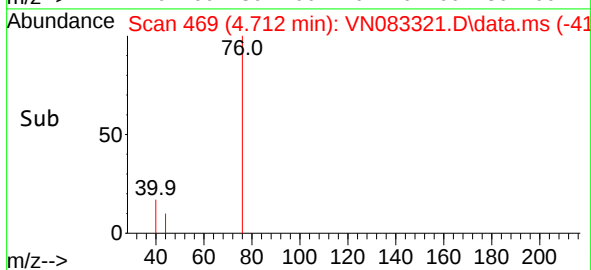
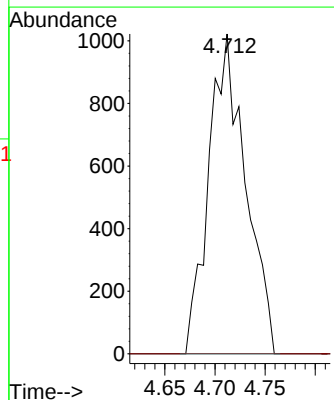
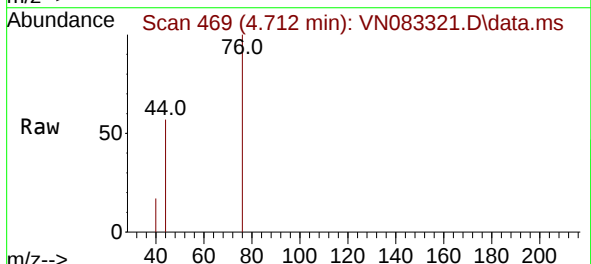
Instrument :
MSVOA_N
ClientSampleId :

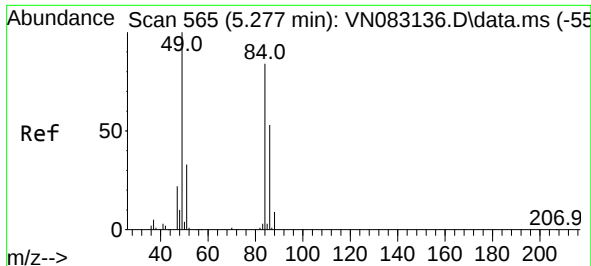
Tgt Ion: 43 Resp: 191
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#



#17
Carbon Disulfide
Concen: 0.620 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

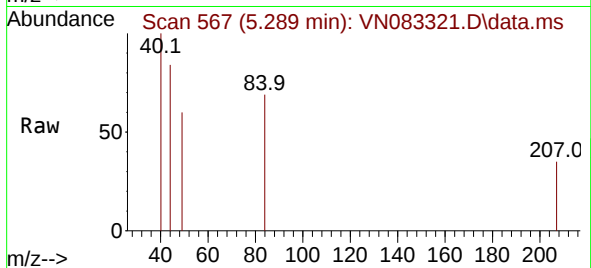
Tgt Ion: 76 Resp: 2620
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



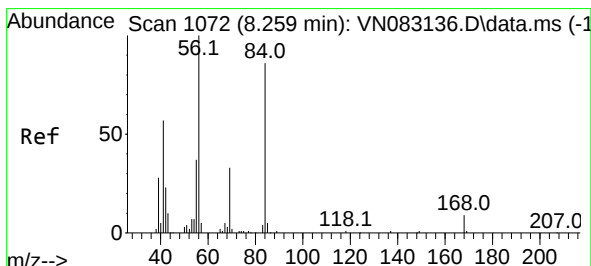
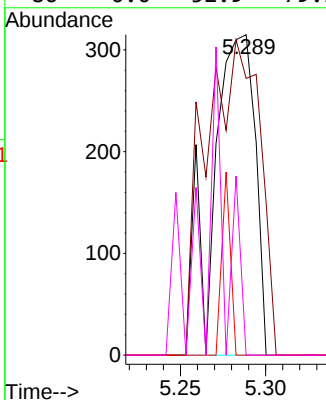
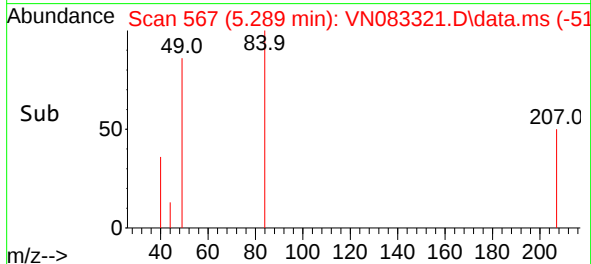


#20
Methylene Chloride
Concen: 0.325 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

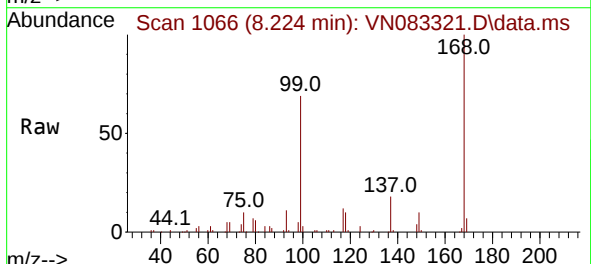
Instrument :
MSVOA_N
ClientSampleId :



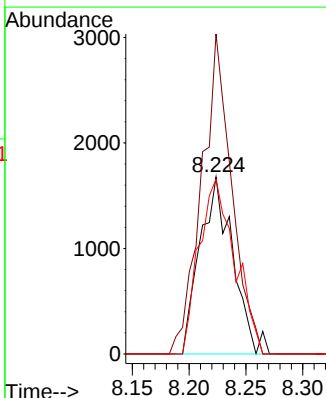
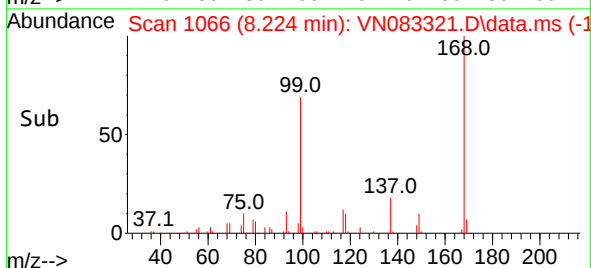
Tgt Ion: 84 Resp: 542
Ion Ratio Lower Upper
84 100
49 86.3 119.6 179.4#
51 0.0 34.8 52.2#
86 0.0 52.9 79.3#

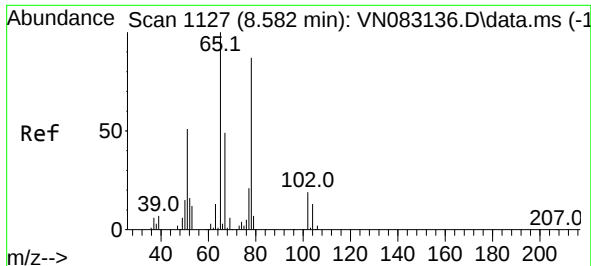


#31
Cyclohexane
Concen: 1.231 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00



Tgt Ion: 56 Resp: 3382
Ion Ratio Lower Upper
56 100
69 180.8 24.5 36.7#
84 98.7 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 56.822 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

Instrument :

MSVOA_N

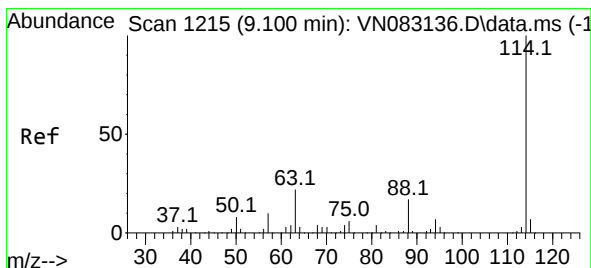
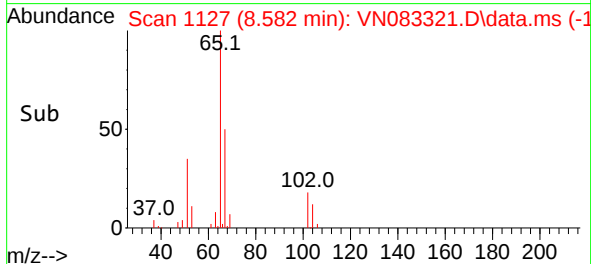
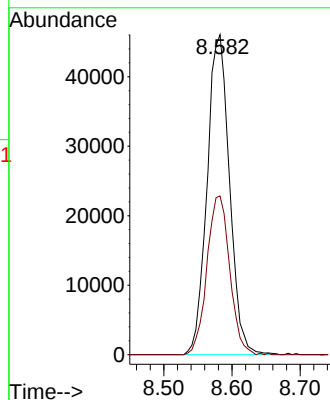
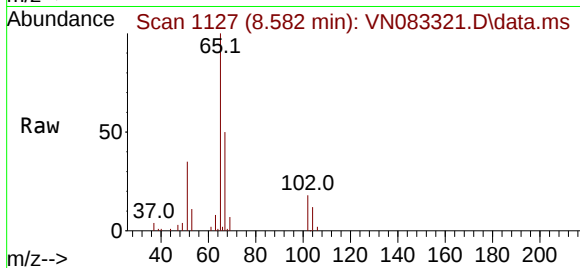
ClientSampleId :

Tgt Ion: 65 Resp: 105333

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

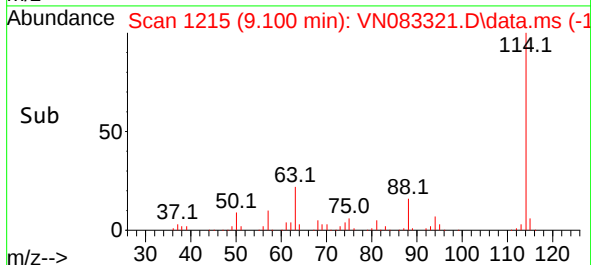
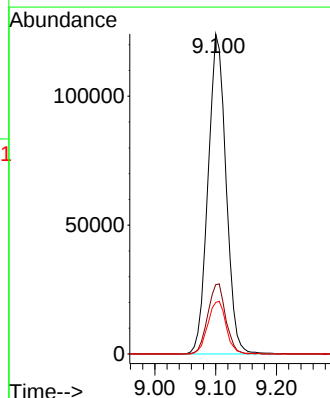
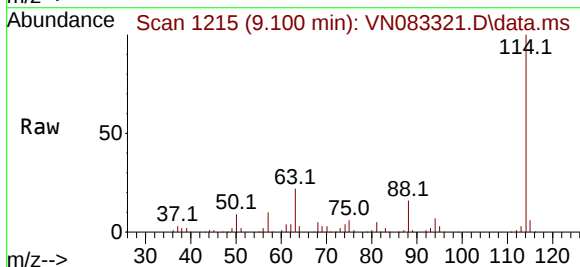
Tgt Ion: 114 Resp: 254889

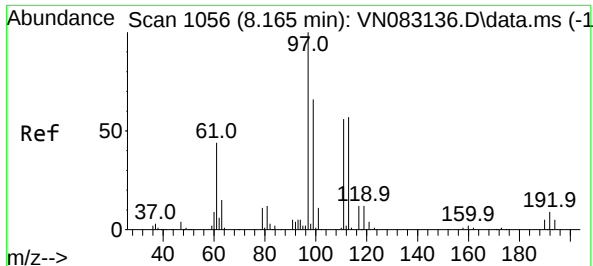
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.6

88 16.1 0.0 31.4

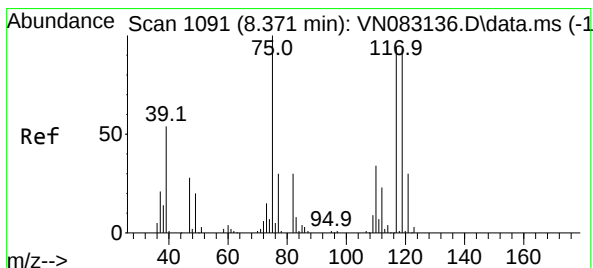
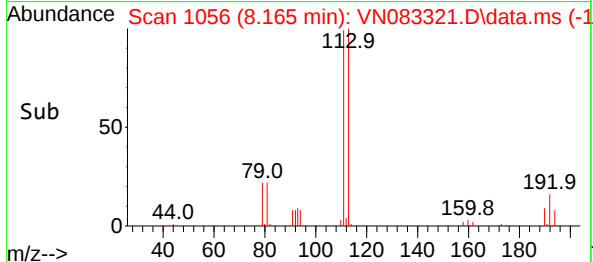
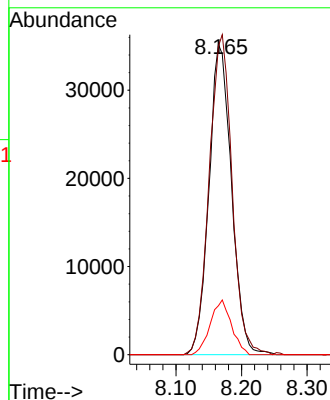
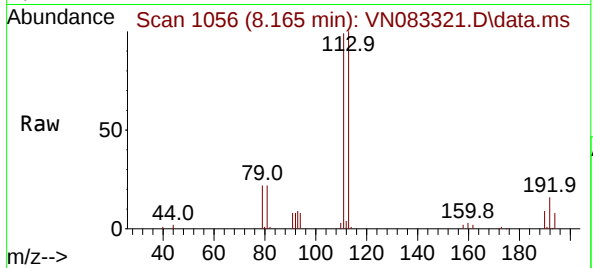




#35
Dibromofluoromethane
Concen: 52.872 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

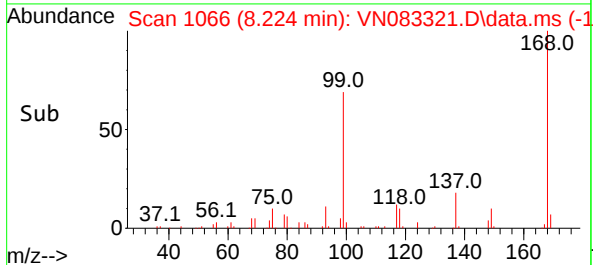
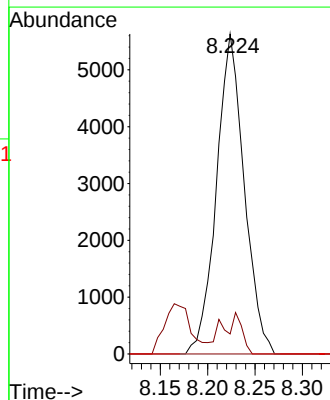
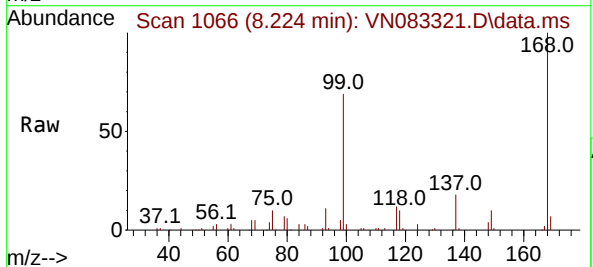
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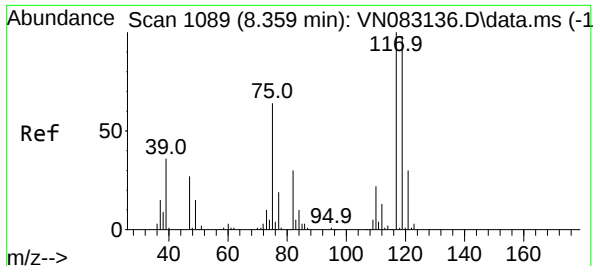
Tgt Ion:113 Resp: 84117
Ion Ratio Lower Upper
113 100
111 104.1 82.4 123.6
192 16.6 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

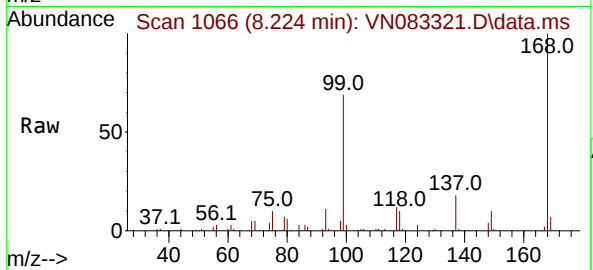
Tgt Ion: 75 Resp: 11482
Ion Ratio Lower Upper
75 100
110 9.2 16.3 48.9#
77 0.0 24.6 37.0#



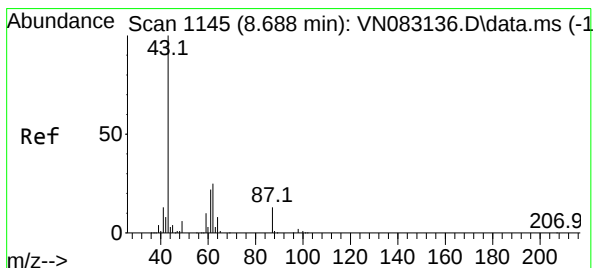
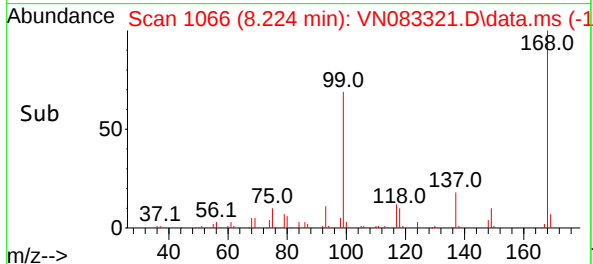
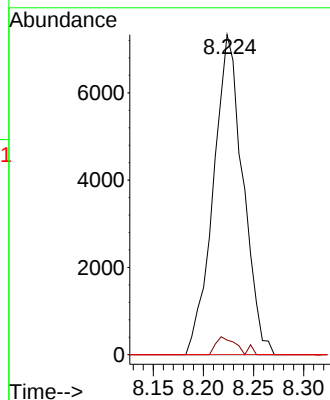


#38
Carbon Tetrachloride
Concen: 5.567 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Instrument :
MSVOA_N
ClientSampleId :

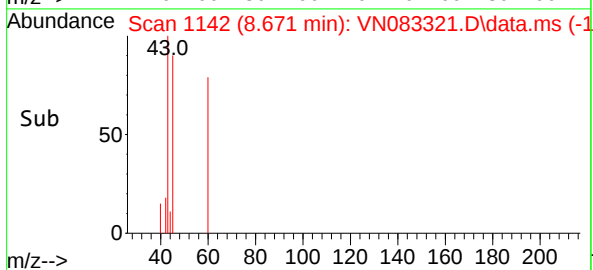
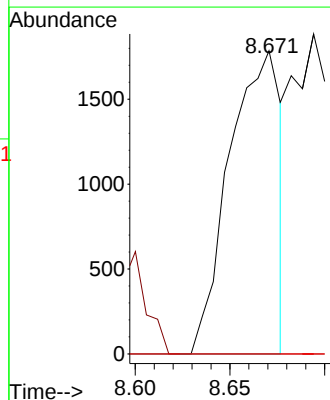
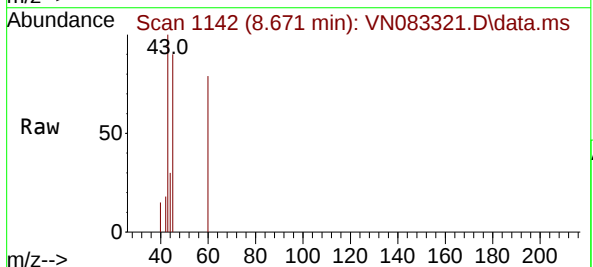


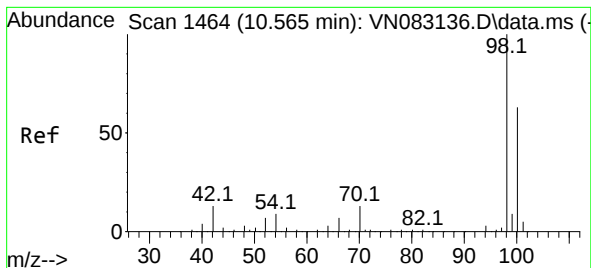
Tgt Ion: 117 Resp: 15091
Ion Ratio Lower Upper
117 100
119 4.5 74.9 112.3#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.017 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Tgt Ion: 43 Resp: 3357
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#





#50

Toluene-d8

Concen: 52.830 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

Instrument :

MSVOA_N

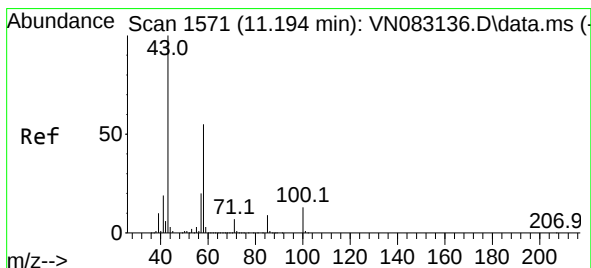
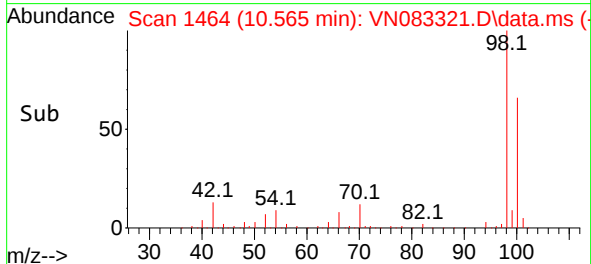
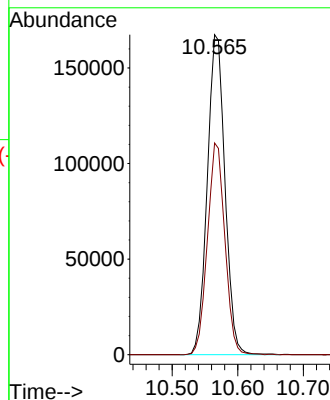
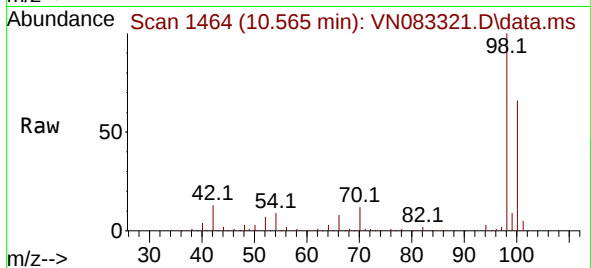
ClientSampleId :

Tgt Ion: 98 Resp: 313526

Ion Ratio Lower Upper

98 100

100 65.3 51.5 77.3



#59

2-Hexanone

Concen: 0.211 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VN083321.D

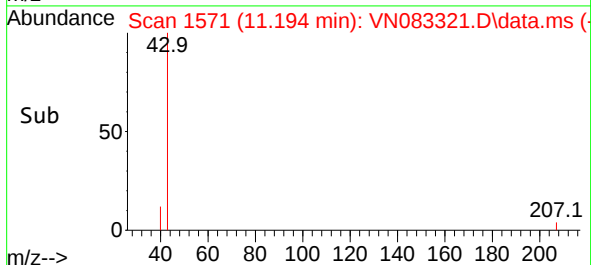
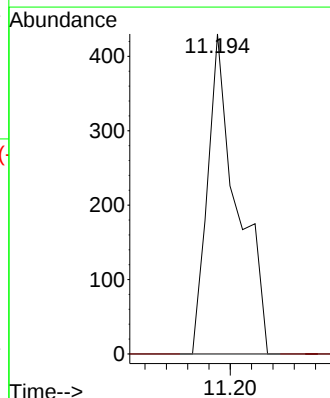
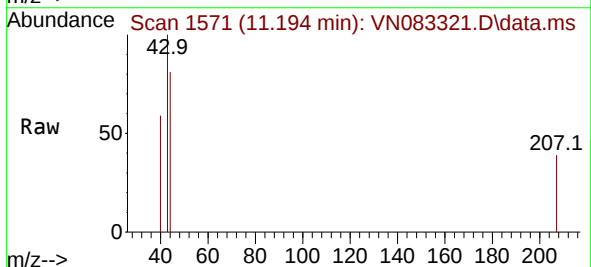
Acq: 15 Aug 2024 11:00

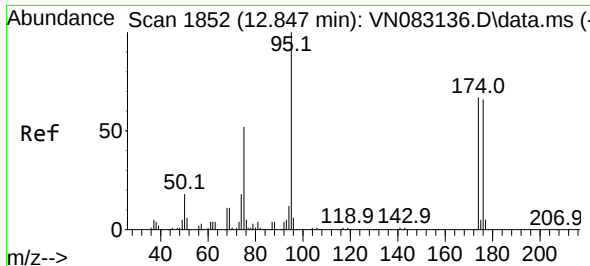
Tgt Ion: 43 Resp: 415

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

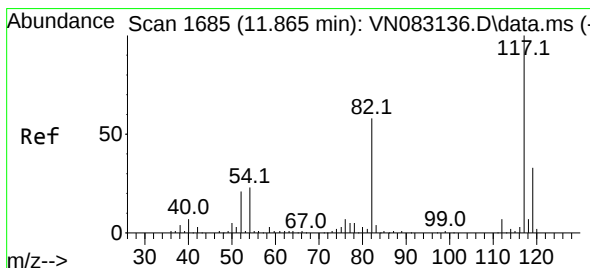
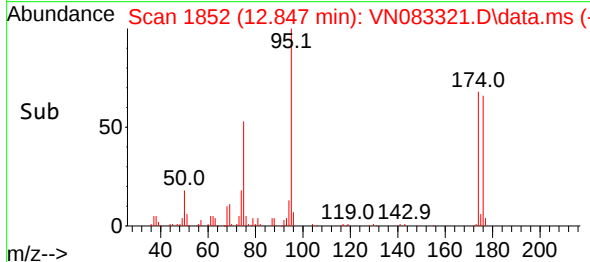
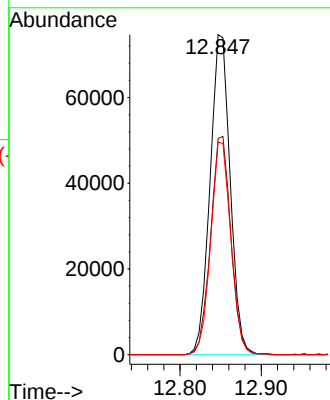
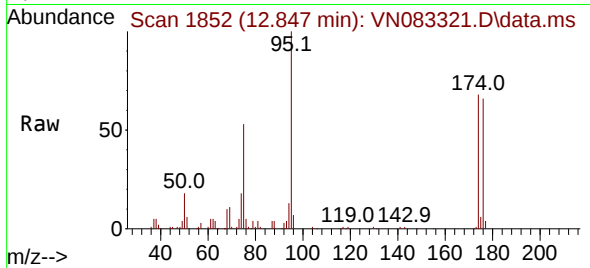




#62
4-Bromofluorobenzene
Concen: 55.597 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

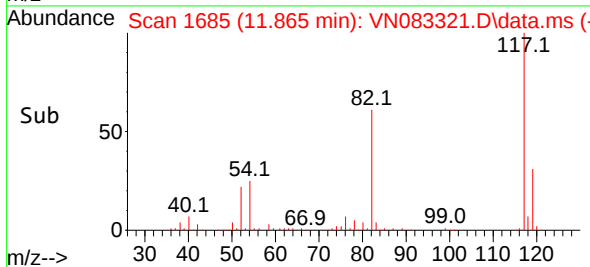
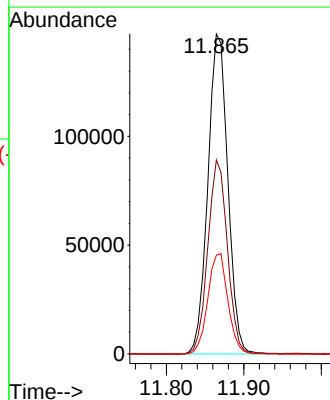
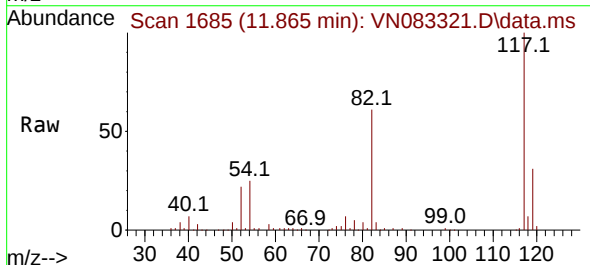
Instrument :
MSVOA_N
ClientSampleId :

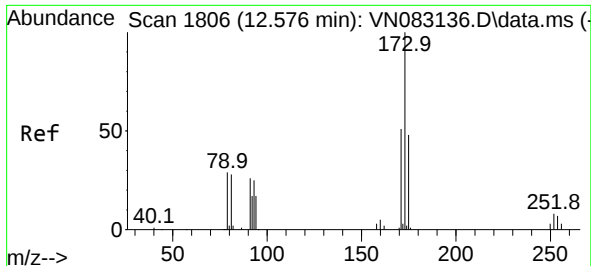
Tgt Ion: 95 Resp: 128633
Ion Ratio Lower Upper
95 100
174 68.8 0.0 159.2
176 66.3 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Tgt Ion: 117 Resp: 262913
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 30.9 25.6 38.4

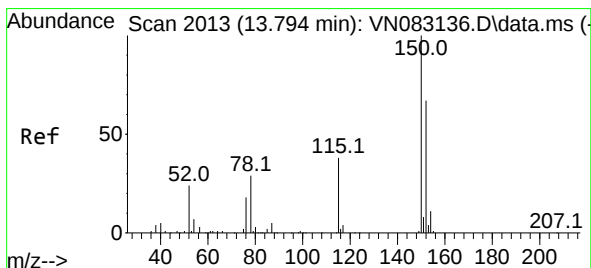
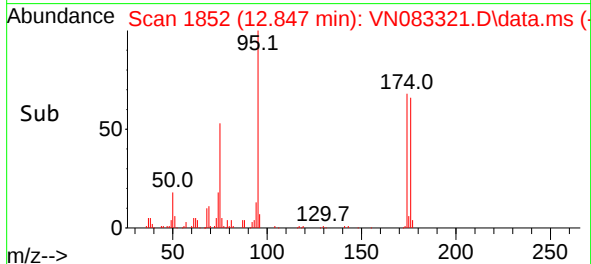
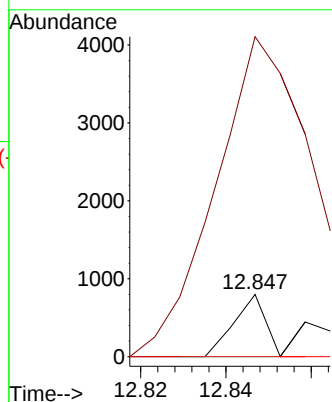
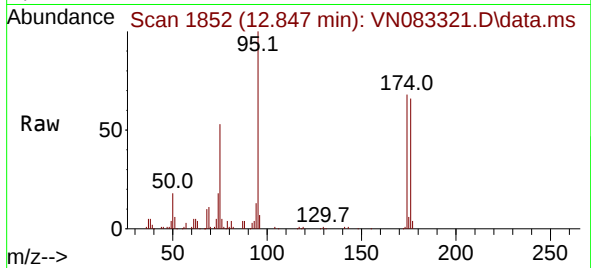




#71
Bromoform
Concen: 0.265 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

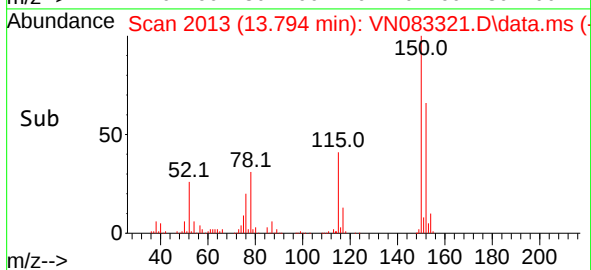
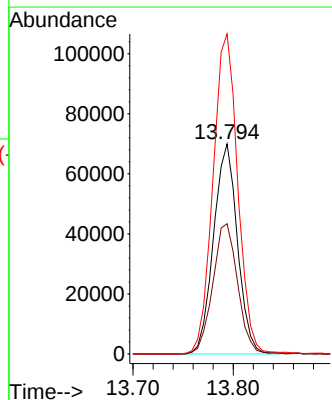
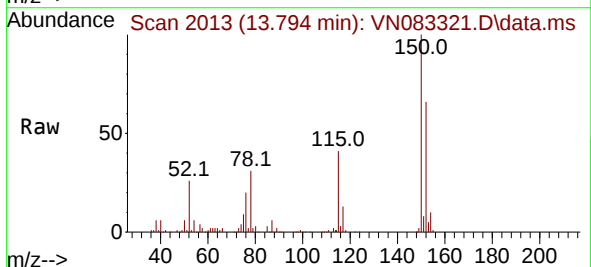
Instrument :
MSVOA_N
ClientSampleId :

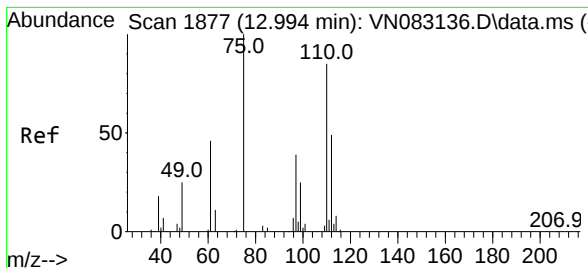
Tgt Ion:173 Resp: 412
Ion Ratio Lower Upper
173 100
175 1142.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083321.D
Acq: 15 Aug 2024 11:00

Tgt Ion:152 Resp: 115706
Ion Ratio Lower Upper
152 100
115 64.5 30.6 91.6
150 158.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 27.696 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

Instrument :

MSVOA_N

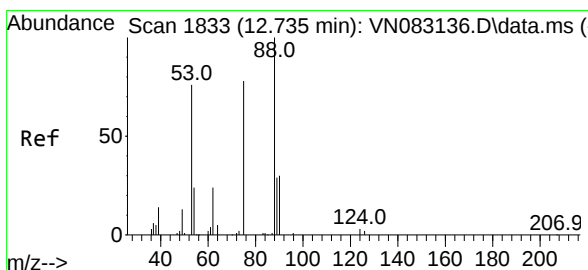
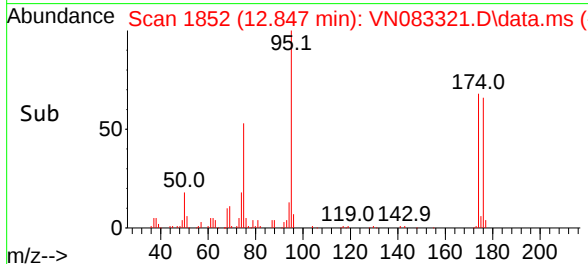
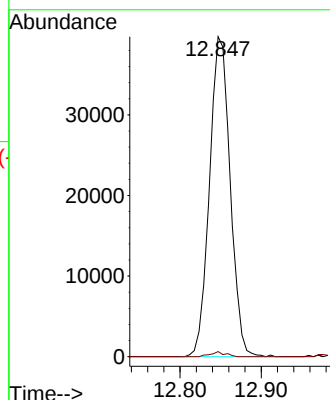
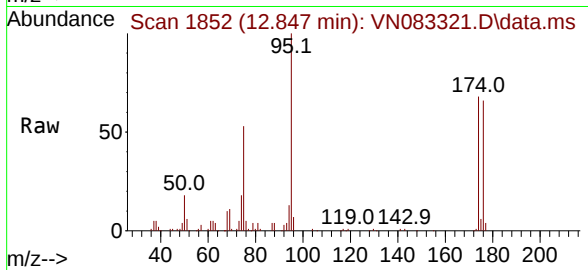
ClientSampleId :

Tgt Ion: 75 Resp: 70332

Ion Ratio Lower Upper

75 100

77 1.1 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.245 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

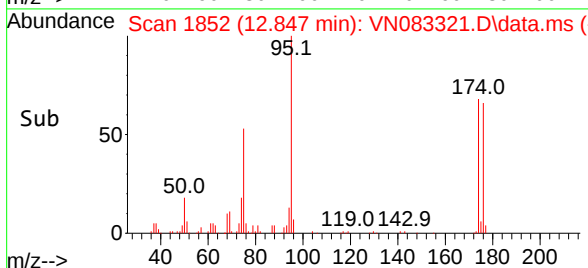
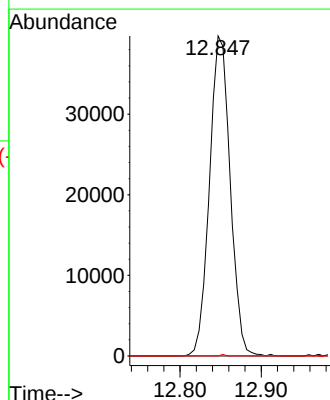
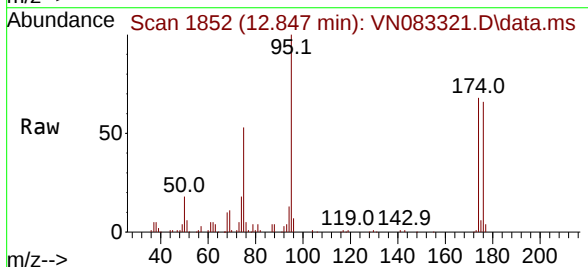
Tgt Ion: 75 Resp: 70332

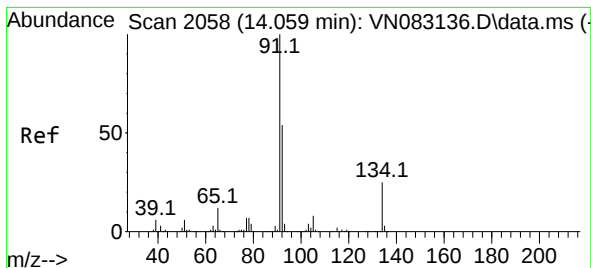
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.1 36.3 54.5#





#89

n-Butylbenzene

Concen: 0.211 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN083321.D

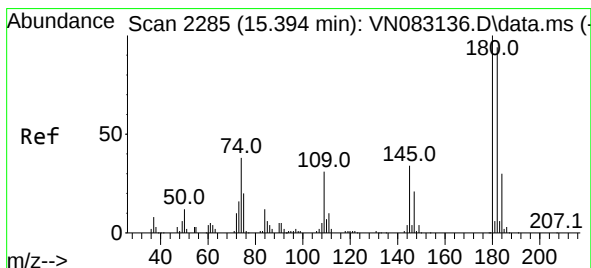
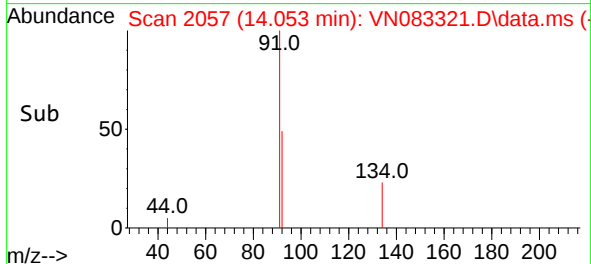
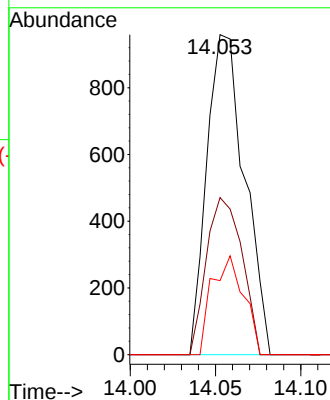
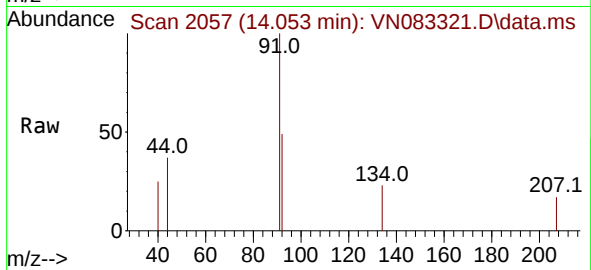
Acq: 15 Aug 2024 11:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 91	Resp:	1478
Ion Ratio	Lower	Upper
91	100	
92	46.3	26.1 78.3
134	26.0	12.1 36.3



#93

1,2,4-Trichlorobenzene

Concen: 0.430 ug/l

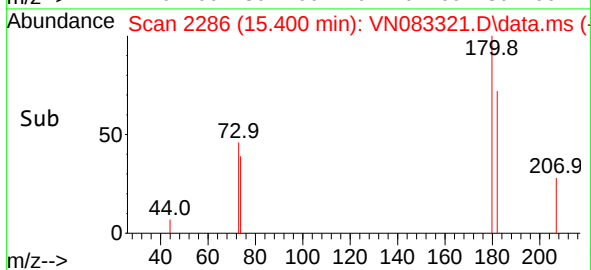
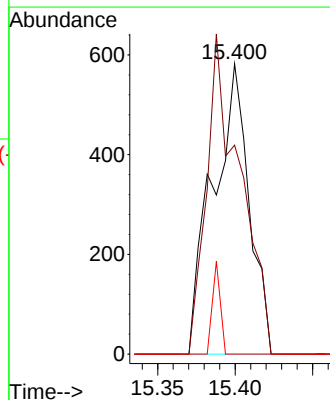
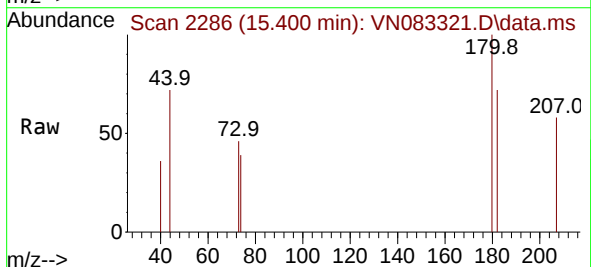
RT: 15.400 min Scan# 2286

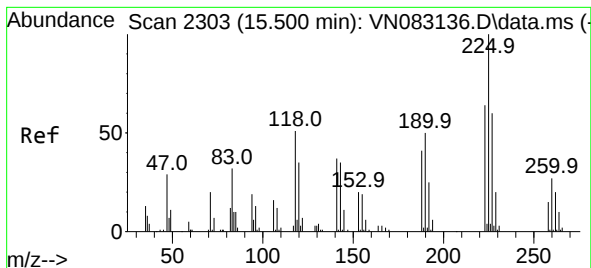
Delta R.T. 0.006 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

Tgt Ion: 180	Resp:	944
Ion Ratio	Lower	Upper
180	100	
182	101.4	47.3 141.8
145	7.0	15.7 47.1#





#94

Hexachlorobutadiene

Concen: 0.758 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN083321.D

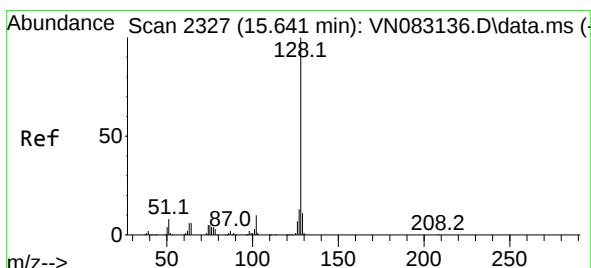
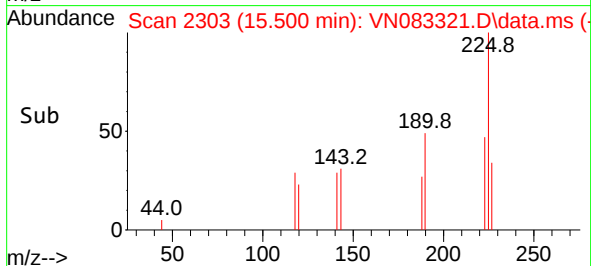
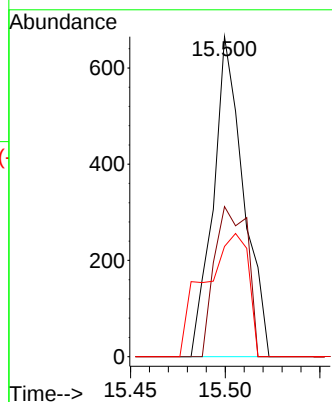
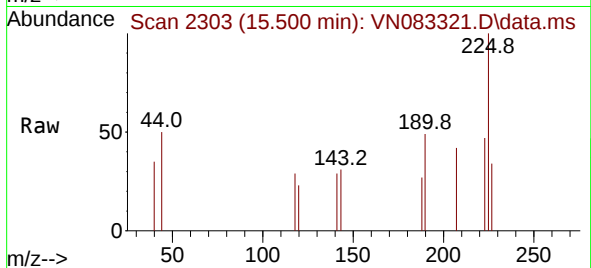
Acq: 15 Aug 2024 11:00

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	225	Resp:	739
Ion	Ratio	Lower	Upper
225	100		
223	51.0	31.9	95.7
227	56.2	32.5	97.5



#95

Naphthalene

Concen: 0.537 ug/l

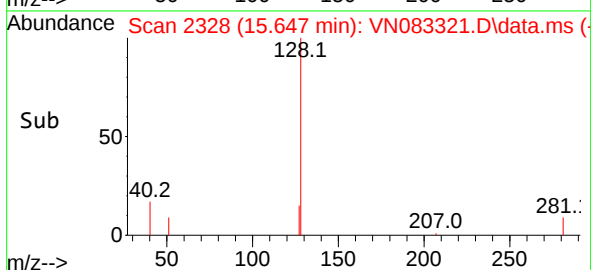
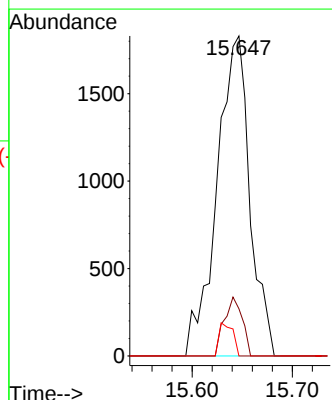
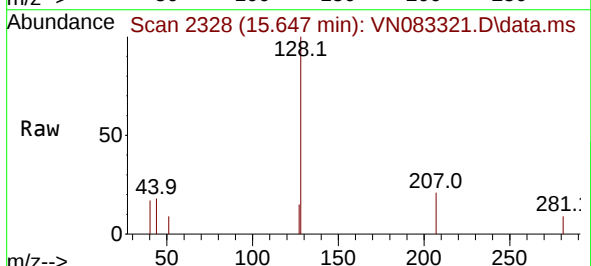
RT: 15.647 min Scan# 2328

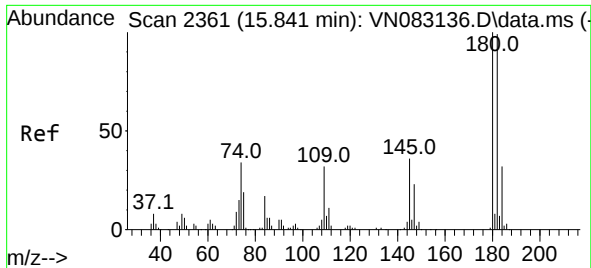
Delta R.T. 0.006 min

Lab File: VN083321.D

Acq: 15 Aug 2024 11:00

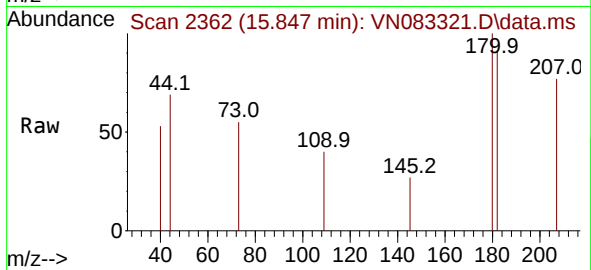
Tgt Ion:	128	Resp:	4168
Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.6	16.0#
129	4.3	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN083321.D
 Acq: 15 Aug 2024 11:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1112
Ion	Ratio	Lower	Upper
180	100		
182	102.0	48.9	146.8
145	30.7	16.8	50.4

