

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078299.D
 Acq On : 20 Jun 2023 10:50
 Operator : JC\MD
 Sample : VN0620WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

Quant Time: Jun 21 05:42:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

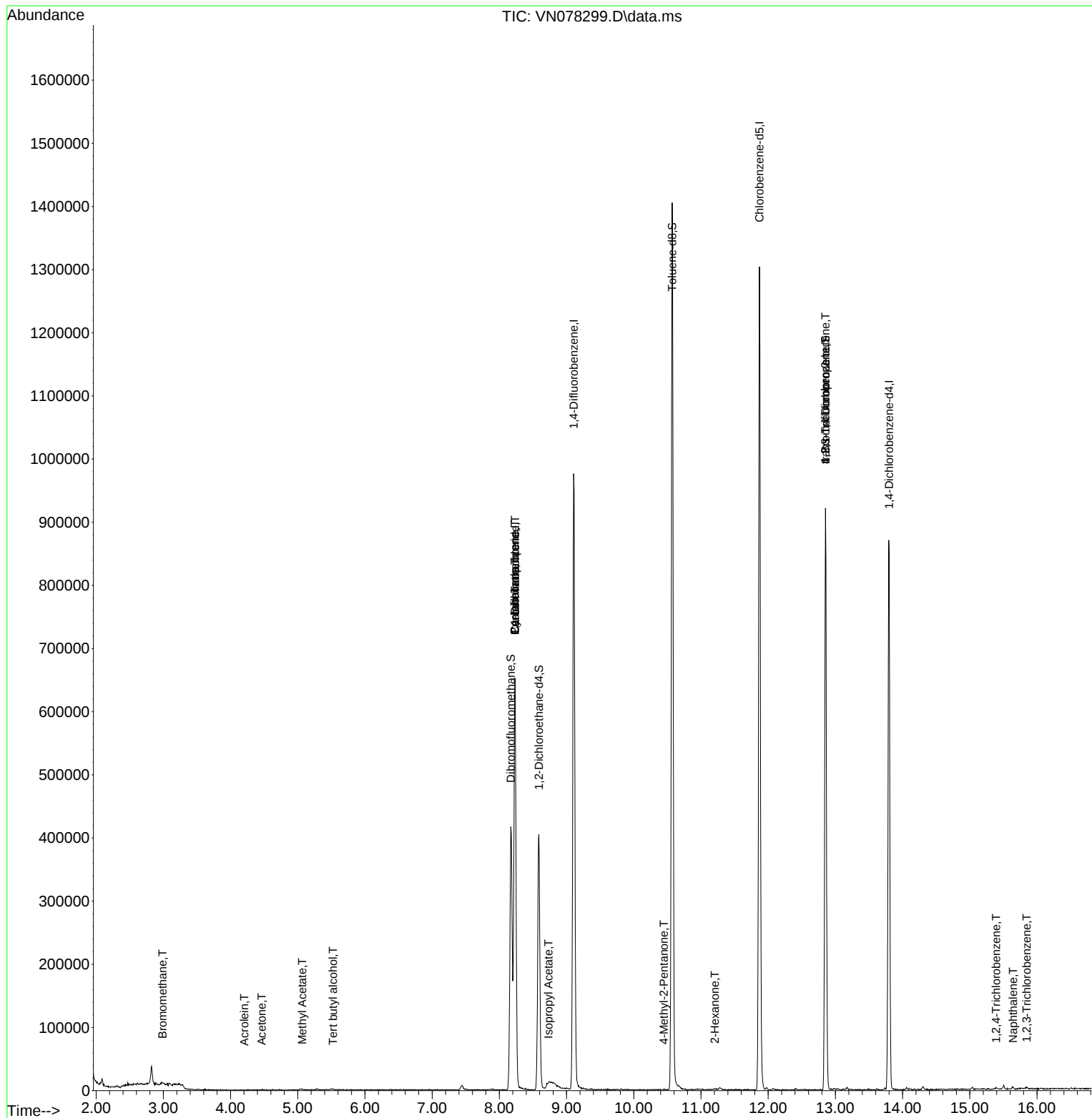
Internal Standards						
1) Pentafluorobenzene	8.229	168	466729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	861434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	778636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	241190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	326796	52.515	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.020%	
35) Dibromofluoromethane	8.171	113	305046	56.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.020%	
50) Toluene-d8	10.571	98	1011363	48.165	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	12.853	95	325149	49.811	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	1261	Below Cal		100
5) Bromomethane	2.989	94	1872	0.359 ug/l	#	73
11) Tert butyl alcohol	5.524	59	427	0.497 ug/l	#	72
13) Acrolein	4.206	56	240	0.253 ug/l		90
16) Acetone	4.465	43	1047	0.585 ug/l	#	40
18) Methyl Acetate	5.065	43	2584	0.313 ug/l	#	71
31) Cyclohexane	8.229	56	11423	1.431 ug/l	#	43
36) 1,1-Dichloropropene	8.229	75	41575	5.321 ug/l	#	49
38) Carbon Tetrachloride	8.235	117	50830	6.162 ug/l	#	15
43) Isopropyl Acetate	8.729	43	8505	0.729 ug/l	#	49
51) 4-Methyl-2-Pentanone	10.447	43	1250	0.203 ug/l	#	31
59) 2-Hexanone	11.206	43	1250	0.292 ug/l	#	42
75) 1,1,2,2-Tetrachloroethane	12.929	83	229	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	179433	31.469 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	179433	96.684 ug/l	#	15
93) 1,2,4-Trichlorobenzene	15.394	180	1109	0.356 ug/l		72
94) Hexachlorobutadiene	15.506	225	1126	Below Cal		84
95) Naphthalene	15.647	128	3489	0.333 ug/l	#	94
96) 1,2,3-Trichlorobenzene	15.847	180	1071	0.307 ug/l		75

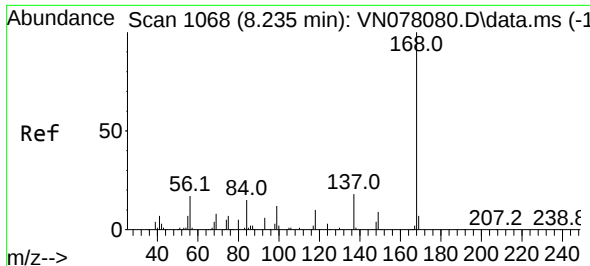
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Jun 21 05:42:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 07 05:05:00 2023
Response via : Initial Calibration

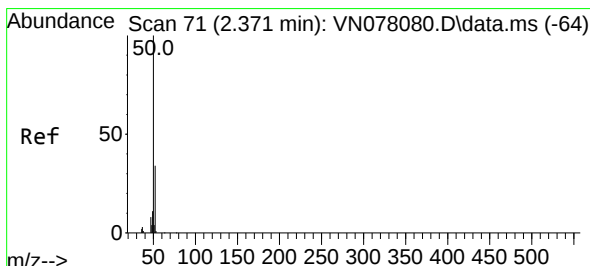
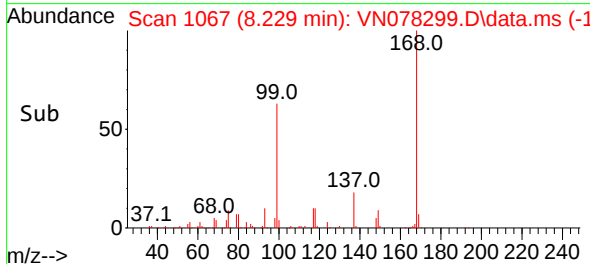
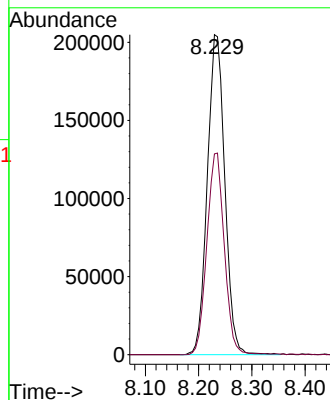
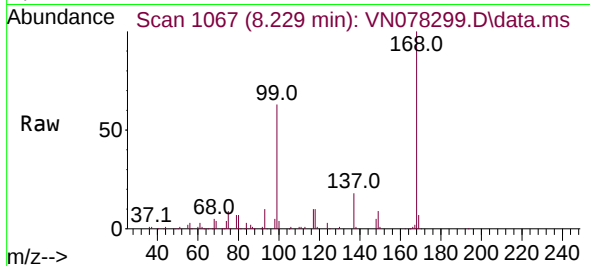




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

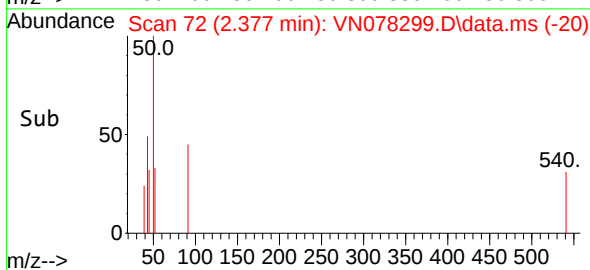
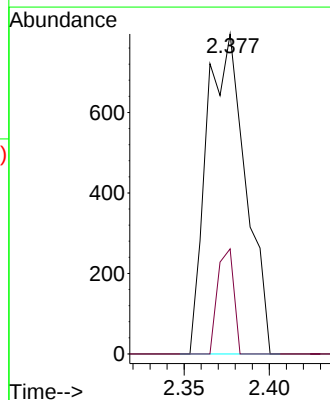
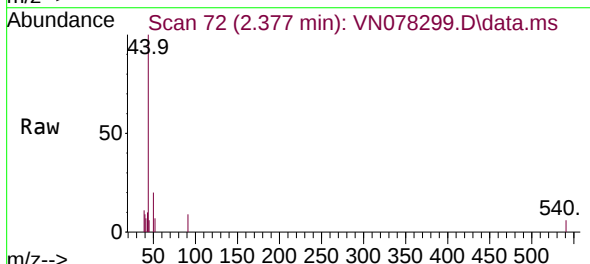
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

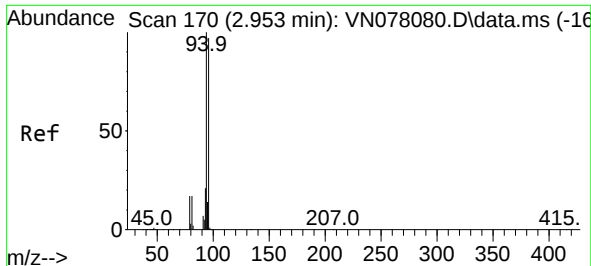
Tgt Ion:168 Resp: 466729
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.377 min Scan# 72
Delta R.T. 0.006 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 50 Resp: 1261
Ion Ratio Lower Upper
50 100
52 32.8 26.5 39.7

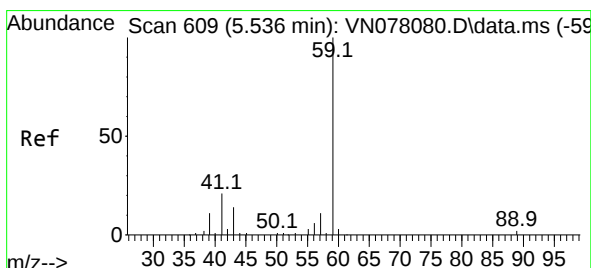
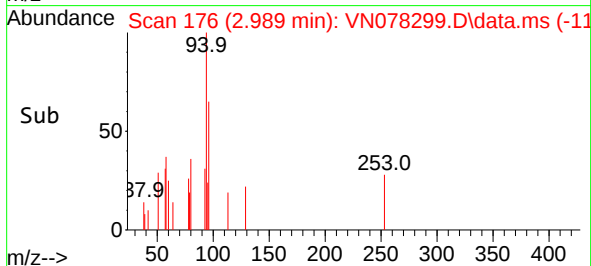
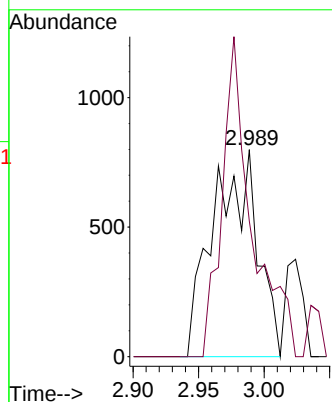
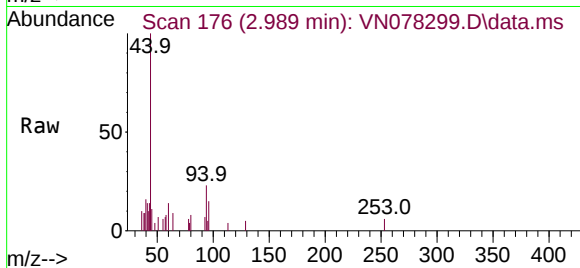




#5
Bromomethane
Concen: 0.359 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

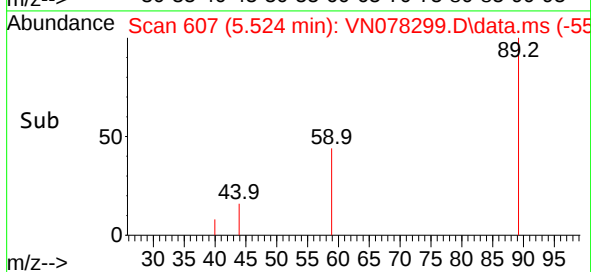
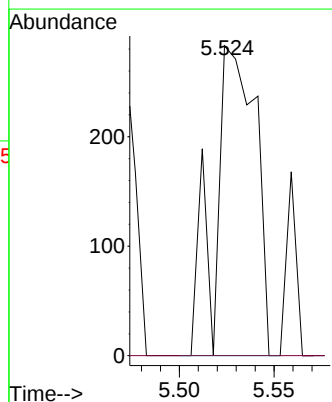
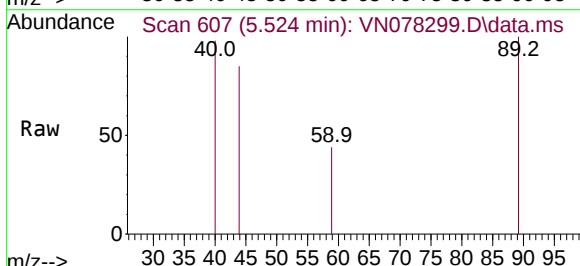
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

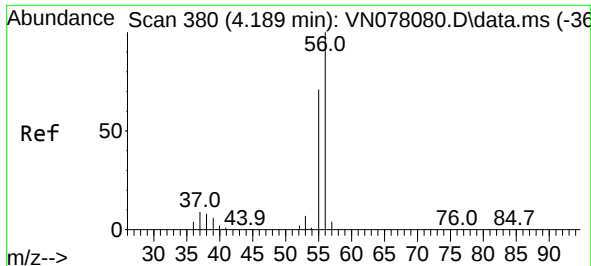
Tgt Ion: 94 Resp: 1872
Ion Ratio Lower Upper
94 100
96 65.5 73.1 109.7#



#11
Tert butyl alcohol
Concen: 0.497 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 59 Resp: 427
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

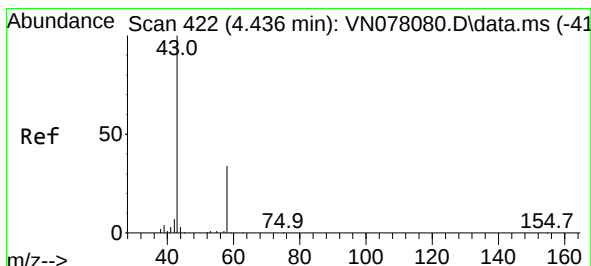
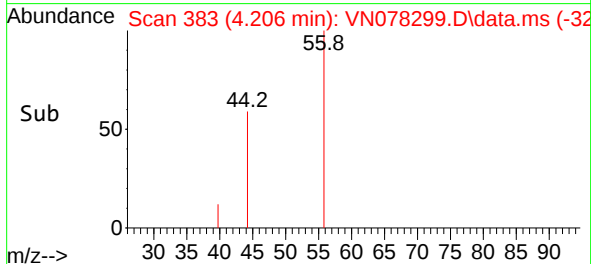
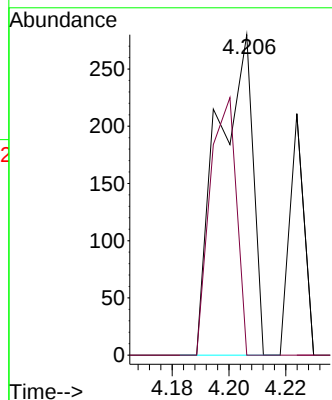
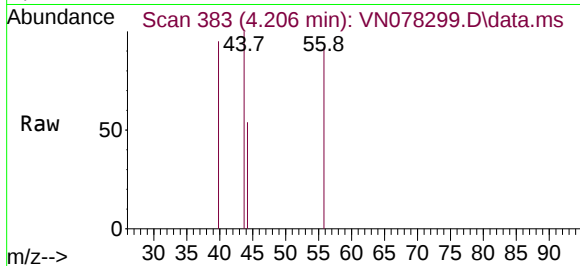




#13
Acrolein
Concen: 0.253 ug/l
RT: 4.206 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

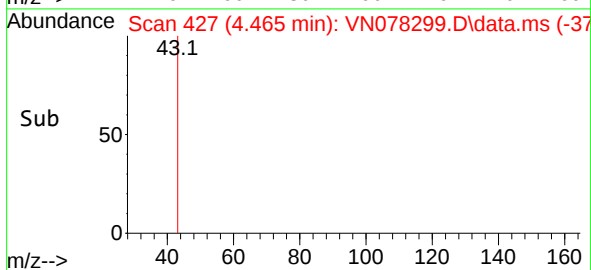
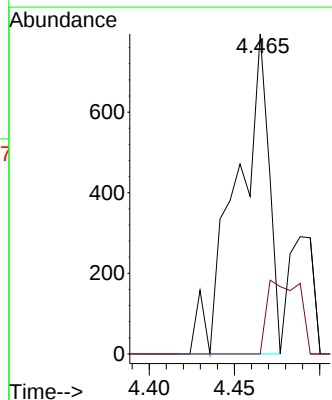
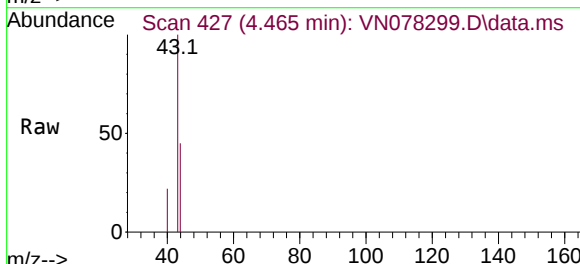
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

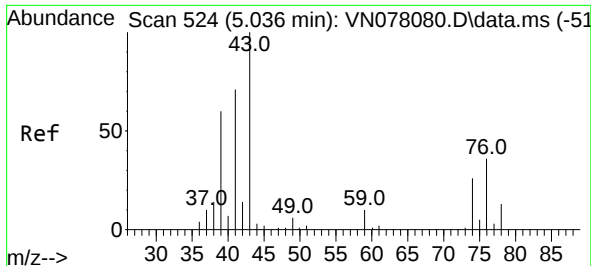
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 60.0 54.5 81.7



#16
Acetone
Concen: 0.585 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.029 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

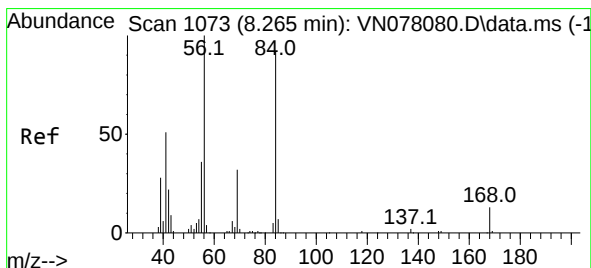
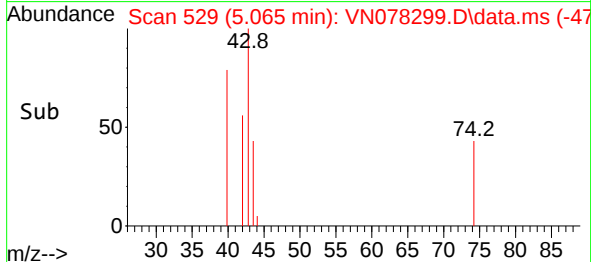
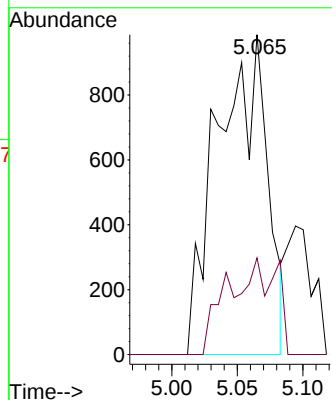
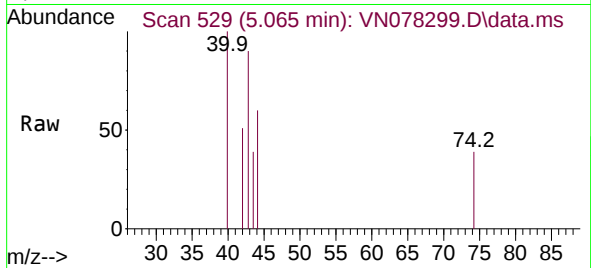




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 5.065 min Scan# 51
Delta R.T. 0.029 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

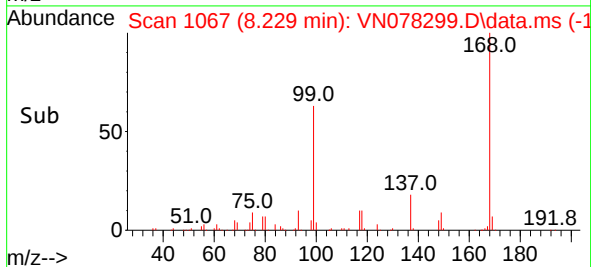
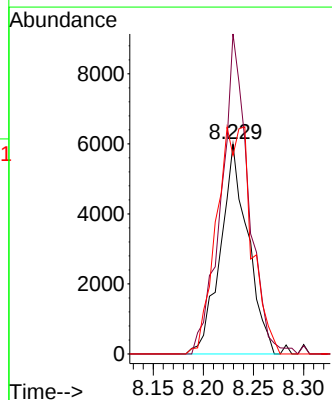
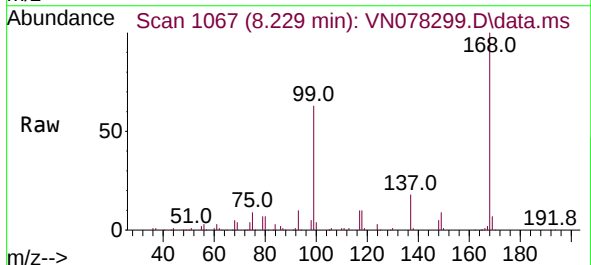
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

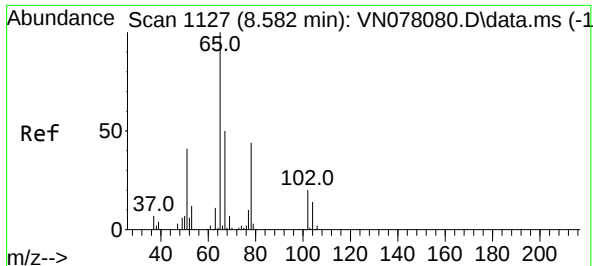
Tgt Ion: 43 Resp: 2584
Ion Ratio Lower Upper
43 100
74 16.6 26.2 39.4#



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 56 Resp: 11423
Ion Ratio Lower Upper
56 100
69 152.6 26.8 40.2#
84 94.7 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 52.515 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN078299.D

Acq: 20 Jun 2023 10:50

Instrument :

MSVOA_N

ClientSampleId :

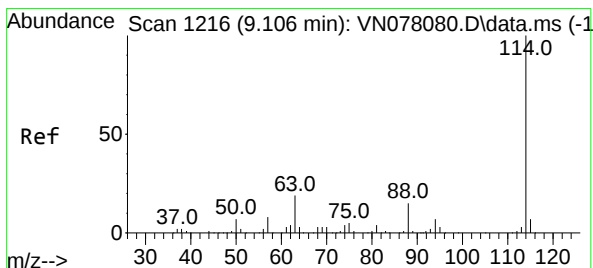
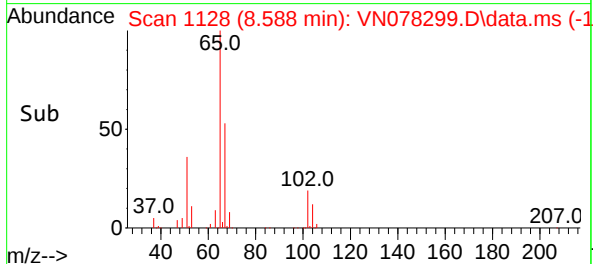
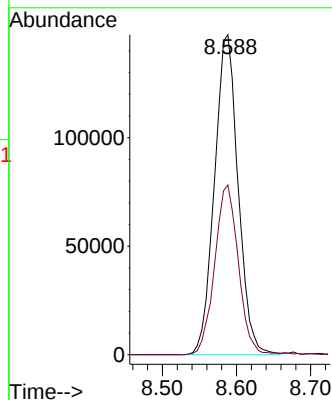
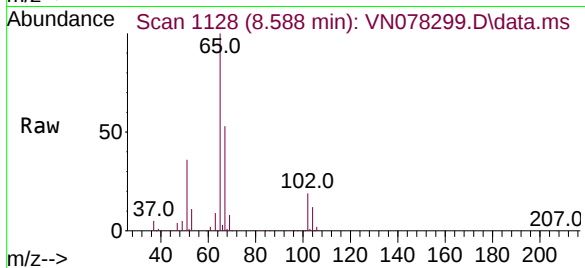
VN0620WBL01

Tgt Ion: 65 Resp: 326796

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN078299.D

Acq: 20 Jun 2023 10:50

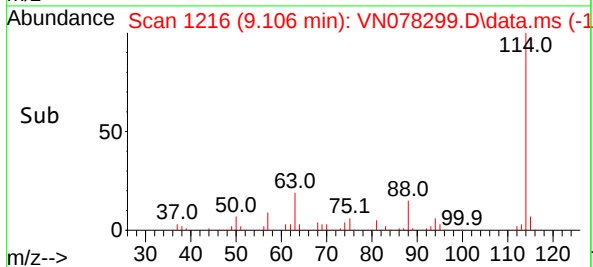
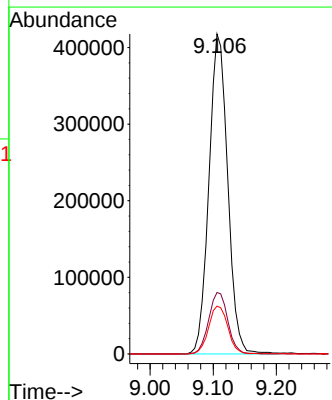
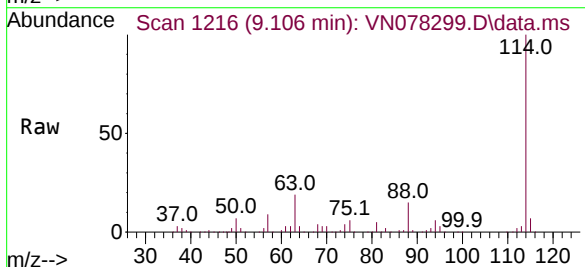
Tgt Ion: 114 Resp: 861434

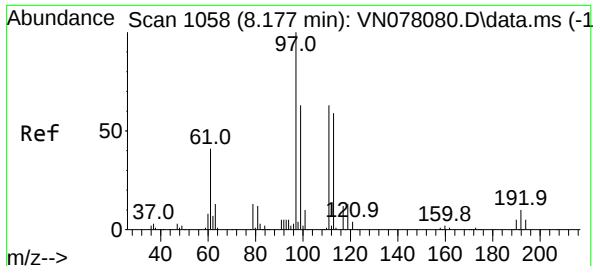
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.4

88 14.9 0.0 30.6

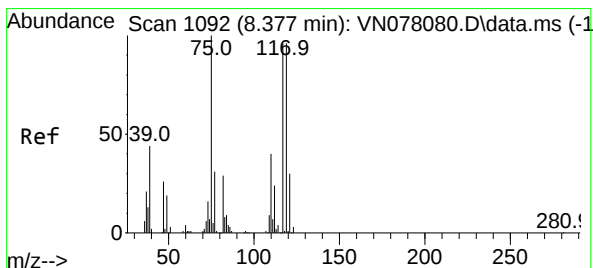
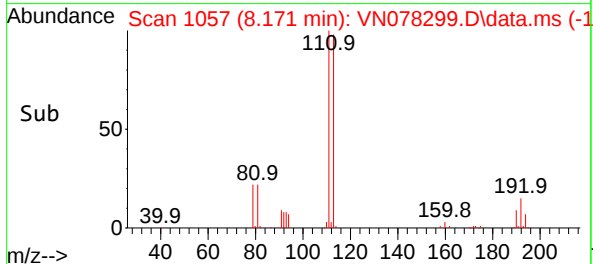
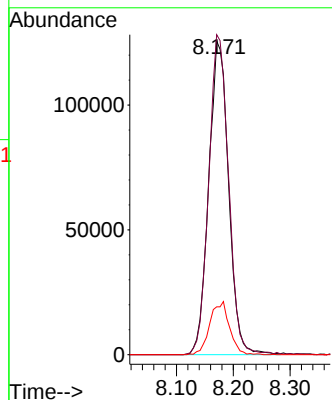
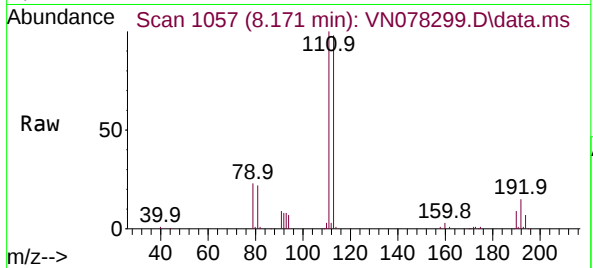




#35
Dibromofluoromethane
Concen: 56.005 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

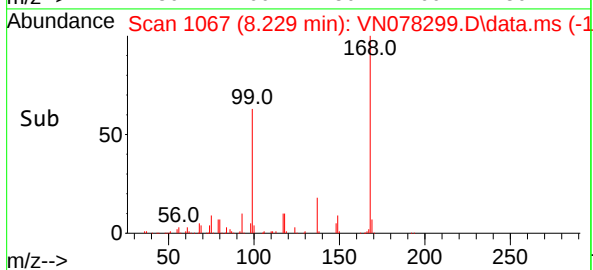
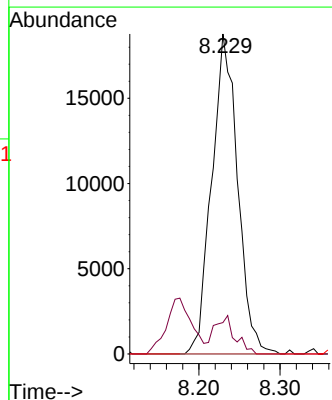
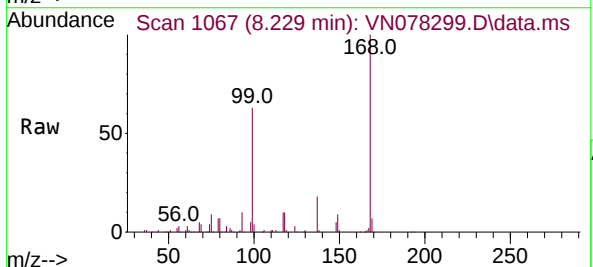
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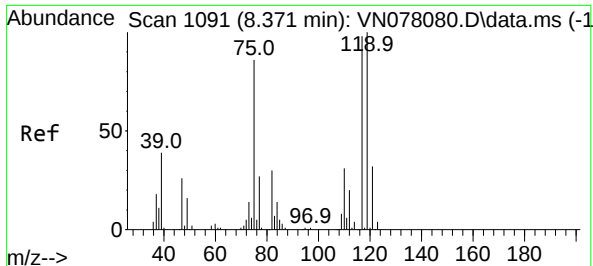
Tgt Ion:113 Resp: 305046
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 16.7 12.7 19.1



#36
1,1-Dichloropropene
Concen: 5.321 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 75 Resp: 41575
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#

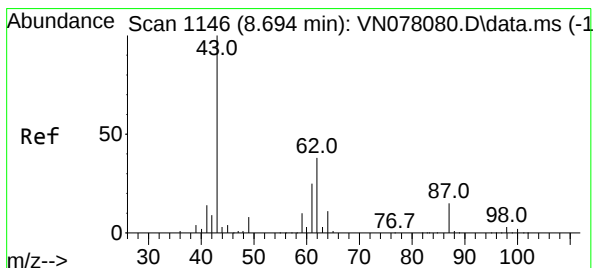
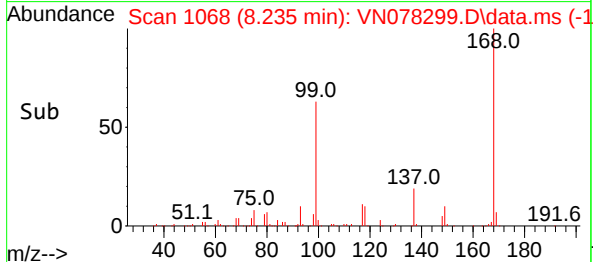
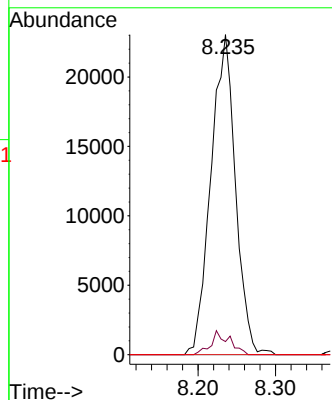
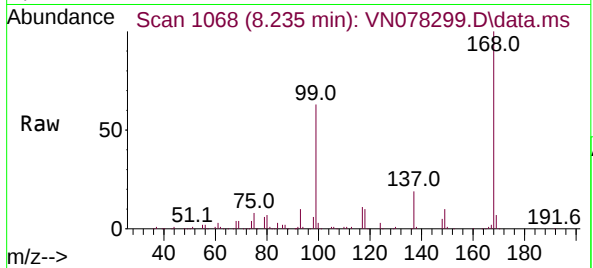




#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 8.235 min Scan# 1105
Delta R.T. -0.135 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

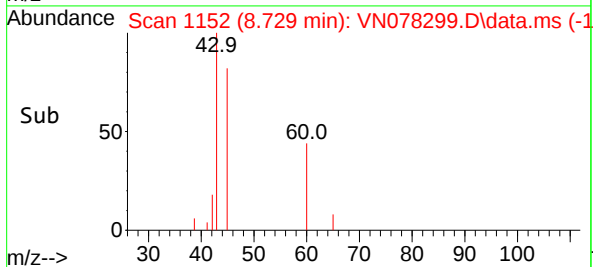
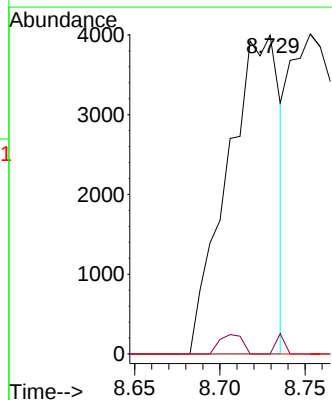
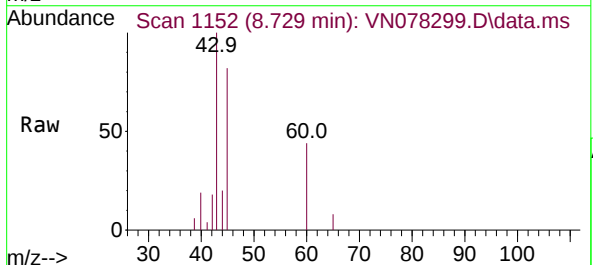
Instrument :
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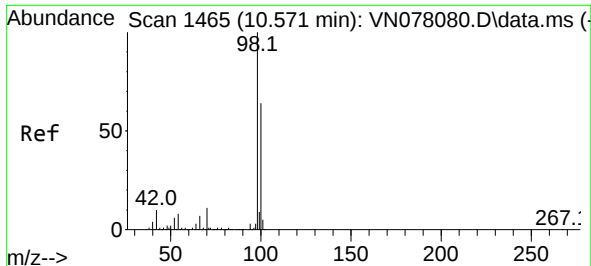
Tgt Ion:117 Resp: 50830
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 0.729 ug/l
RT: 8.729 min Scan# 1152
Delta R.T. 0.035 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 43 Resp: 8505
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#

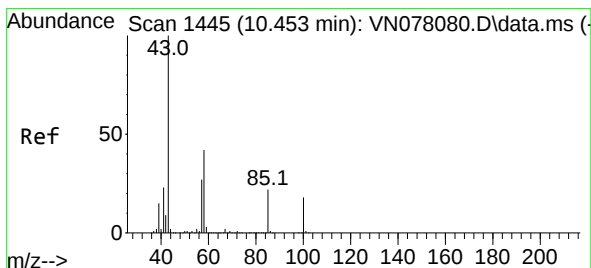
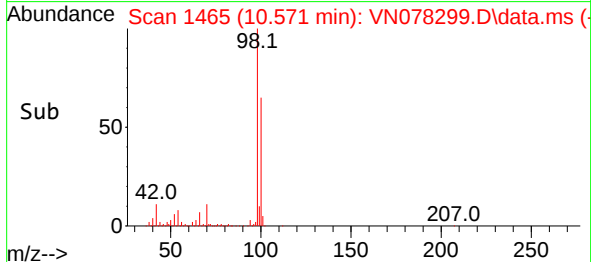
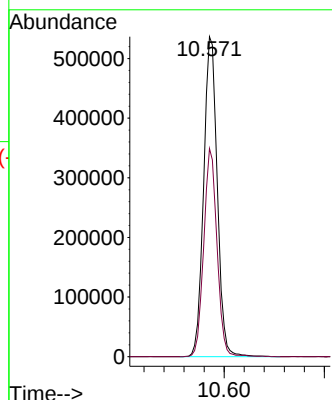
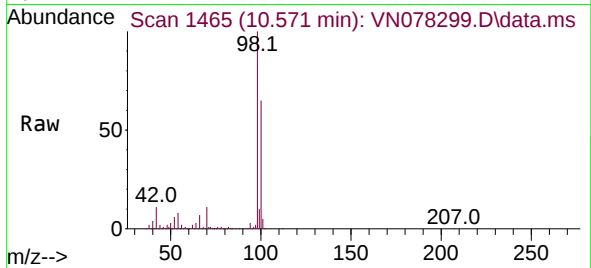




#50
Toluene-d8
Concen: 48.165 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

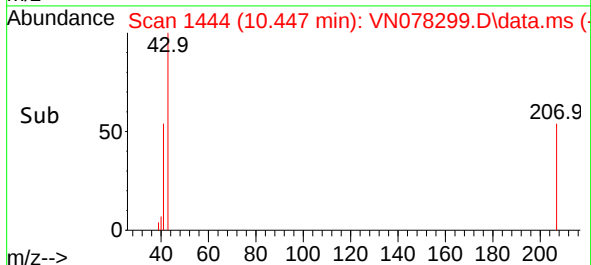
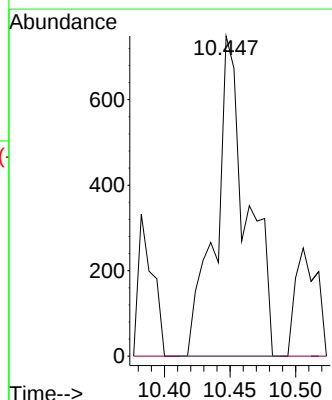
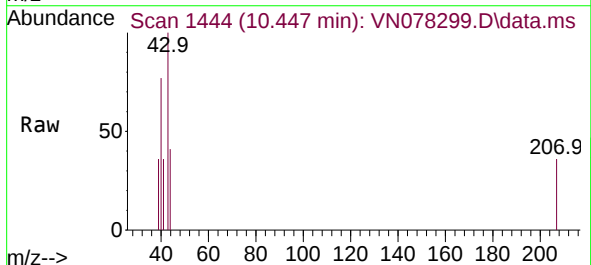
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

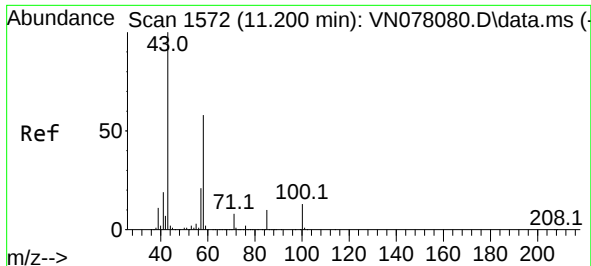
Tgt Ion: 98 Resp: 1011363
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

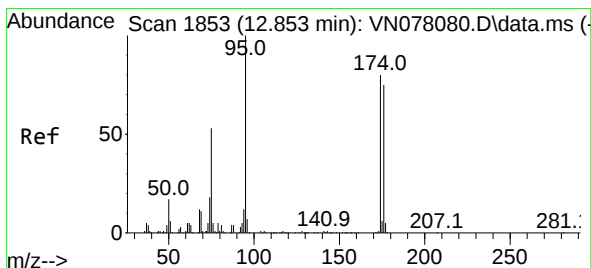
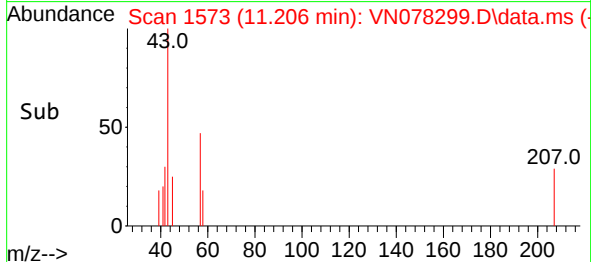
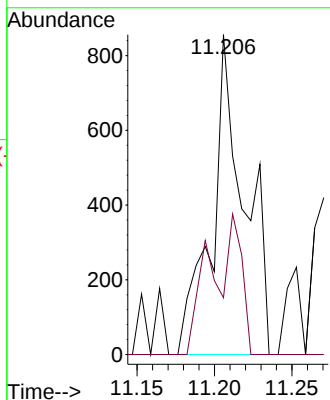
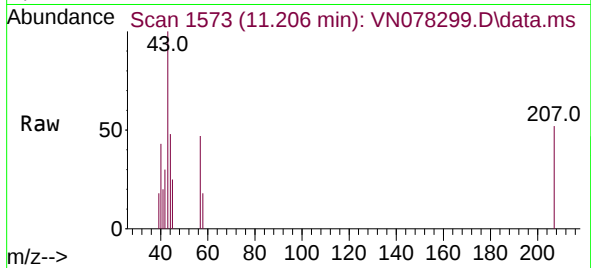




#59
2-Hexanone
Concen: 0.292 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

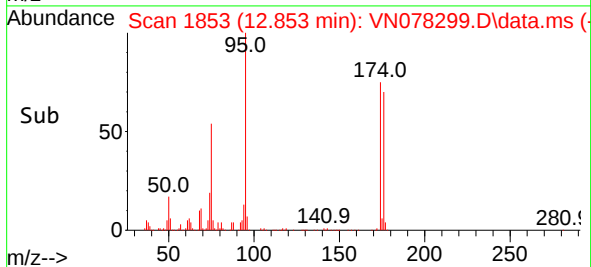
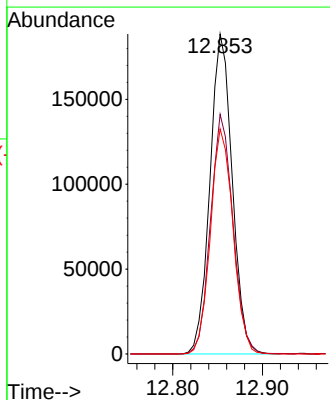
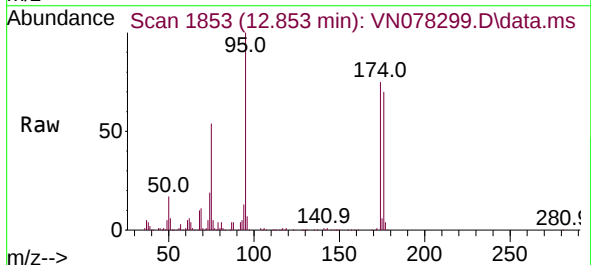
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

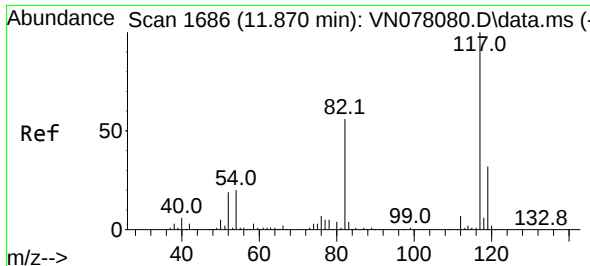
Tgt Ion: 43 Resp: 1250
Ion Ratio Lower Upper
43 100
58 18.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.811 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 95 Resp: 325149
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 71.3 0.0 135.8

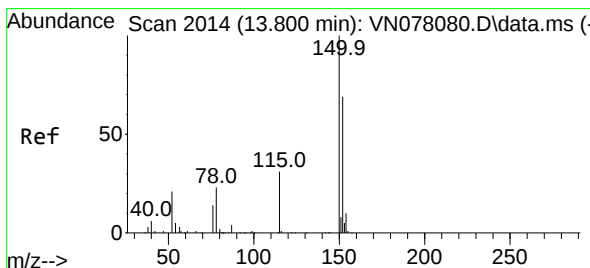
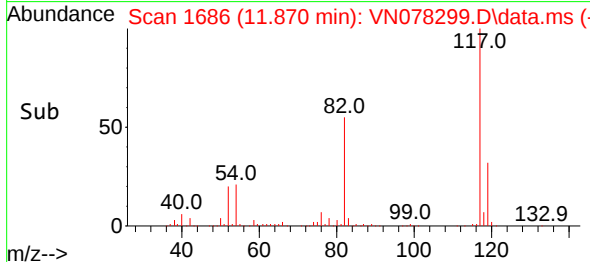
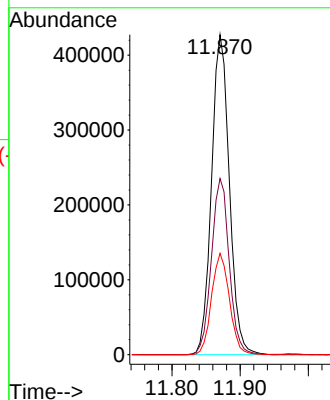
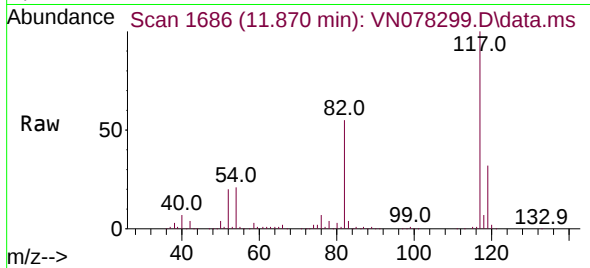




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

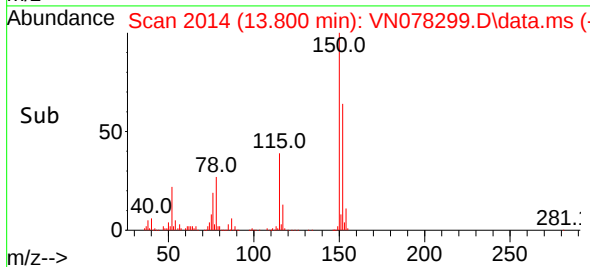
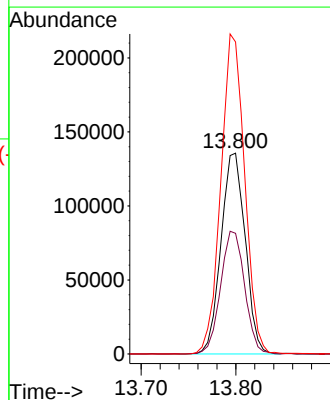
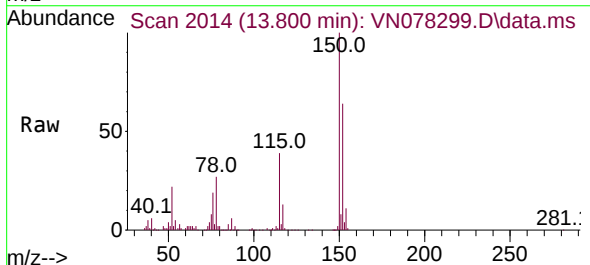
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

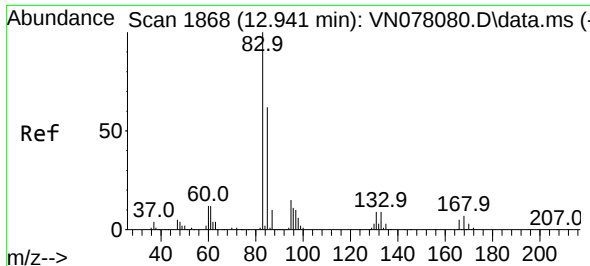
Tgt Ion:117 Resp: 778636
Ion Ratio Lower Upper
117 100
82 55.0 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion:152 Resp: 241190
Ion Ratio Lower Upper
152 100
115 60.7 32.3 96.8
150 157.0 0.0 355.8

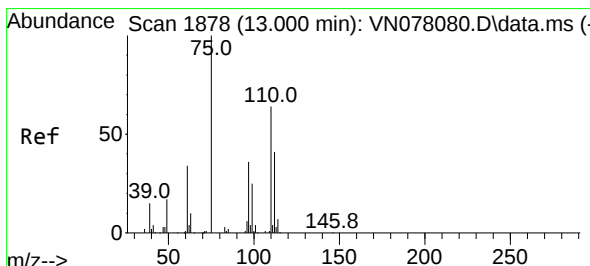
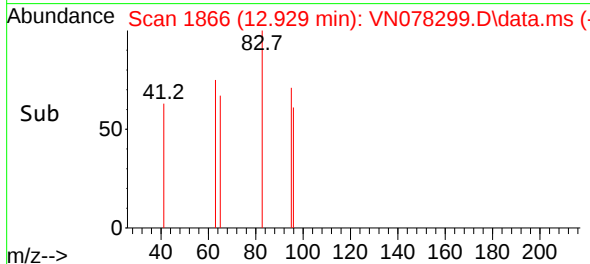
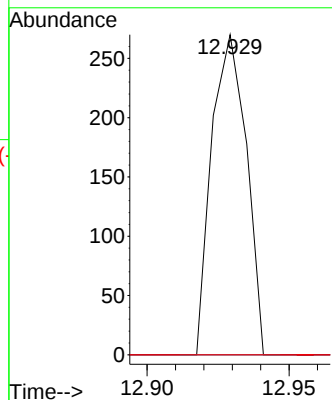
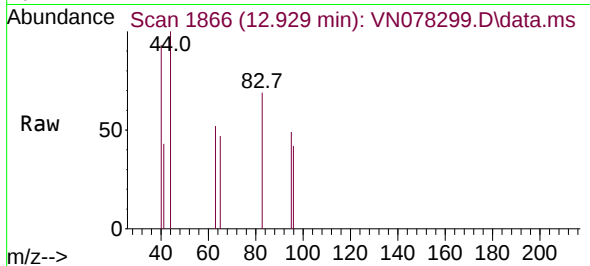




#75
1,1,2-Tetrachloroethane
Concen: Below Cal
RT: 12.929 min Scan# 1866
Delta R.T. -0.012 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

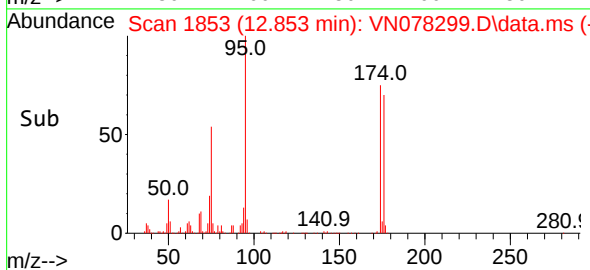
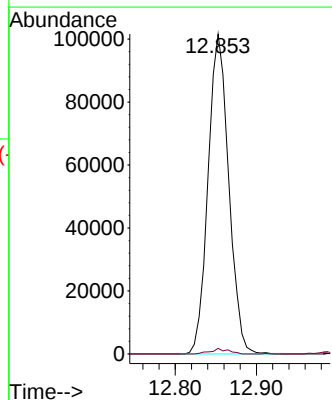
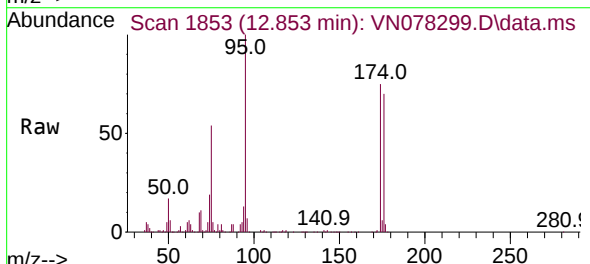
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

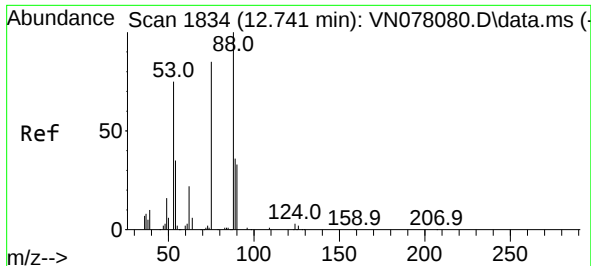
Tgt Ion: 83 Resp: 229
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 31.469 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion: 75 Resp: 179433
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#

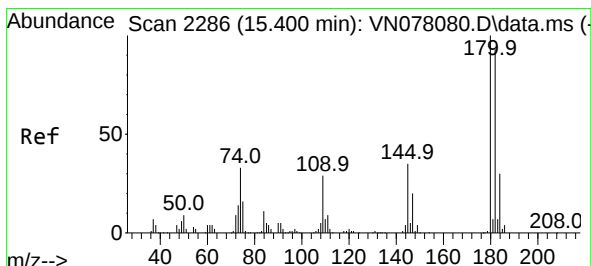
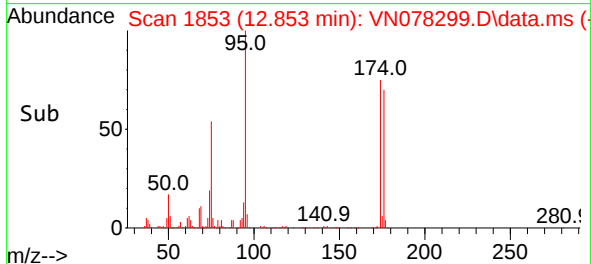
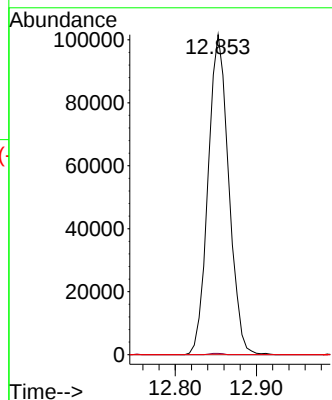
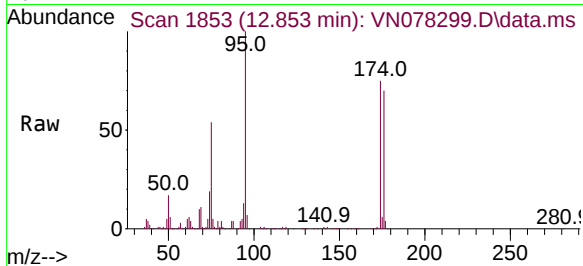




#81
trans-1,4-Dichloro-2-butene
Concen: 96.684 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

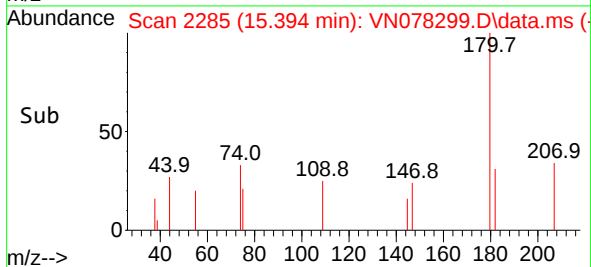
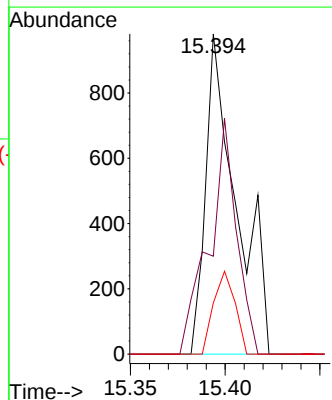
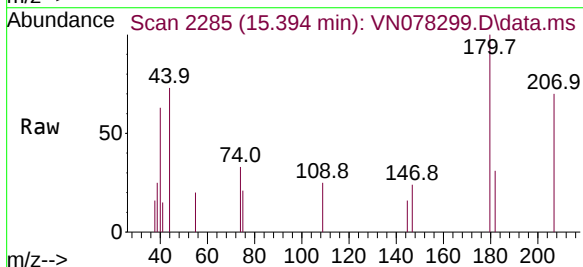
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

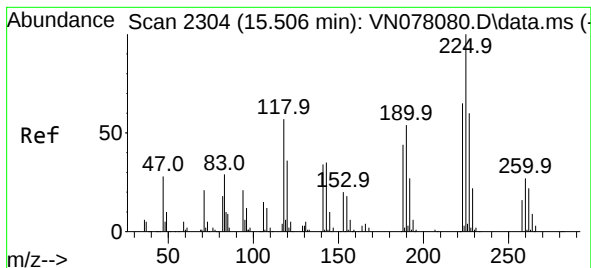
Tgt Ion: 75 Resp: 179433
Ion Ratio Lower Upper
75 100
53 0.3 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.356 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN078299.D
Acq: 20 Jun 2023 10:50

Tgt Ion:180 Resp: 1109
Ion Ratio Lower Upper
180 100
182 65.6 46.1 138.2
145 18.0 16.6 49.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.506 min Scan# 2126

Delta R.T. -0.001 min

Lab File: VN078299.D

Acq: 20 Jun 2023 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

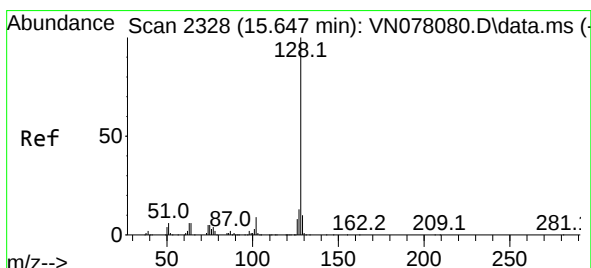
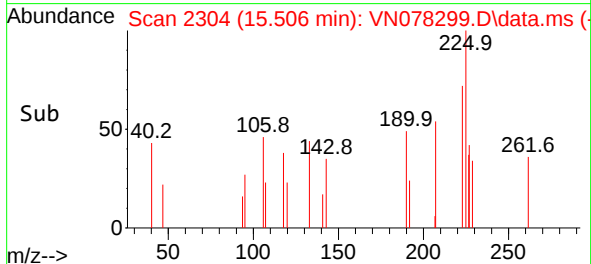
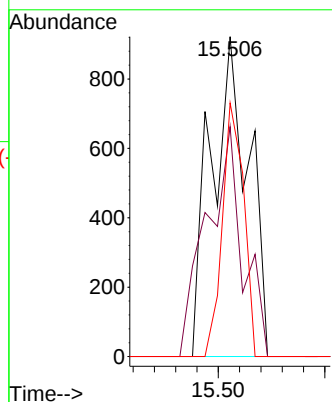
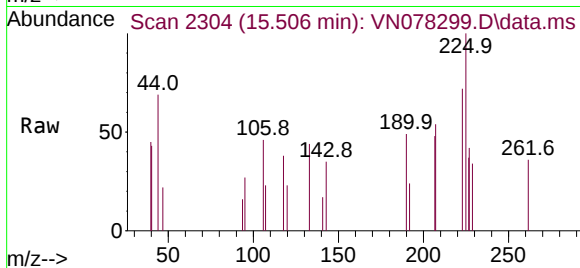
Tgt Ion:225 Resp: 1126

Ion Ratio Lower Upper

225 100

223 68.7 31.3 93.8

227 45.0 31.9 95.9



#95

Naphthalene

Concen: 0.333 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN078299.D

Acq: 20 Jun 2023 10:50

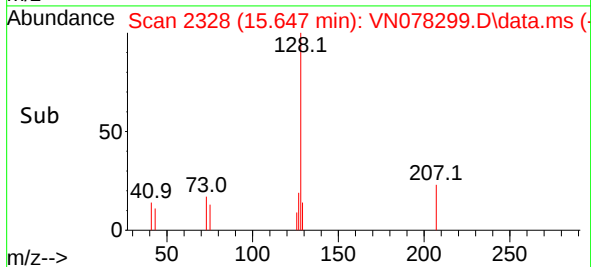
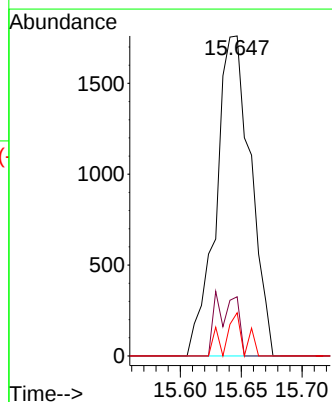
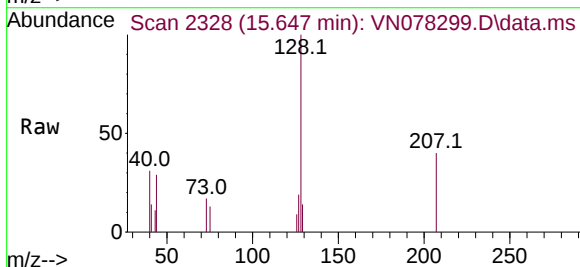
Tgt Ion:128 Resp: 3489

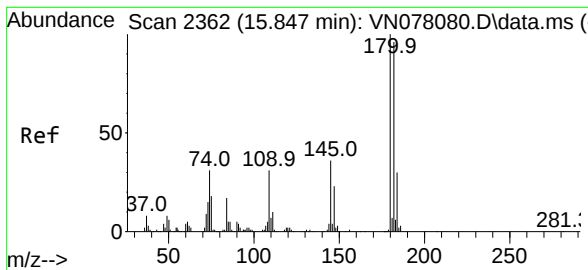
Ion Ratio Lower Upper

128 100

127 11.6 10.0 15.0

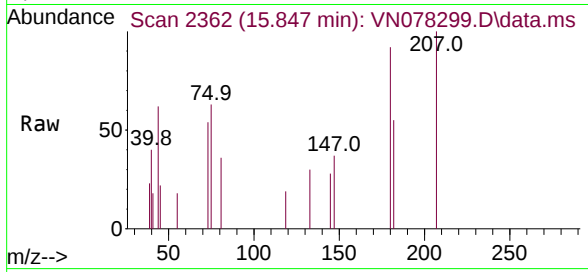
129 7.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.307 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN078299.D
 Acq: 20 Jun 2023 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01



Tgt Ion:	180	Resp:	1071
Ion	Ratio	Lower	Upper
180	100		
182	59.8	46.2	138.6
145	34.9	17.5	52.6

