

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080899.D
 Acq On : 05 Feb 2024 16:14
 Operator : JC\MD
 Sample : P1371-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T180-AOP

Quant Time: Feb 06 04:44:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	84497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	201408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	194591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	78792	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	78895	53.972	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.940%	
35) Dibromofluoromethane	8.165	113	55444	44.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 90.000%	
50) Toluene-d8	10.565	98	230390	47.771	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.540%	
62) 4-Bromofluorobenzene	12.853	95	80831	48.096	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.200%	

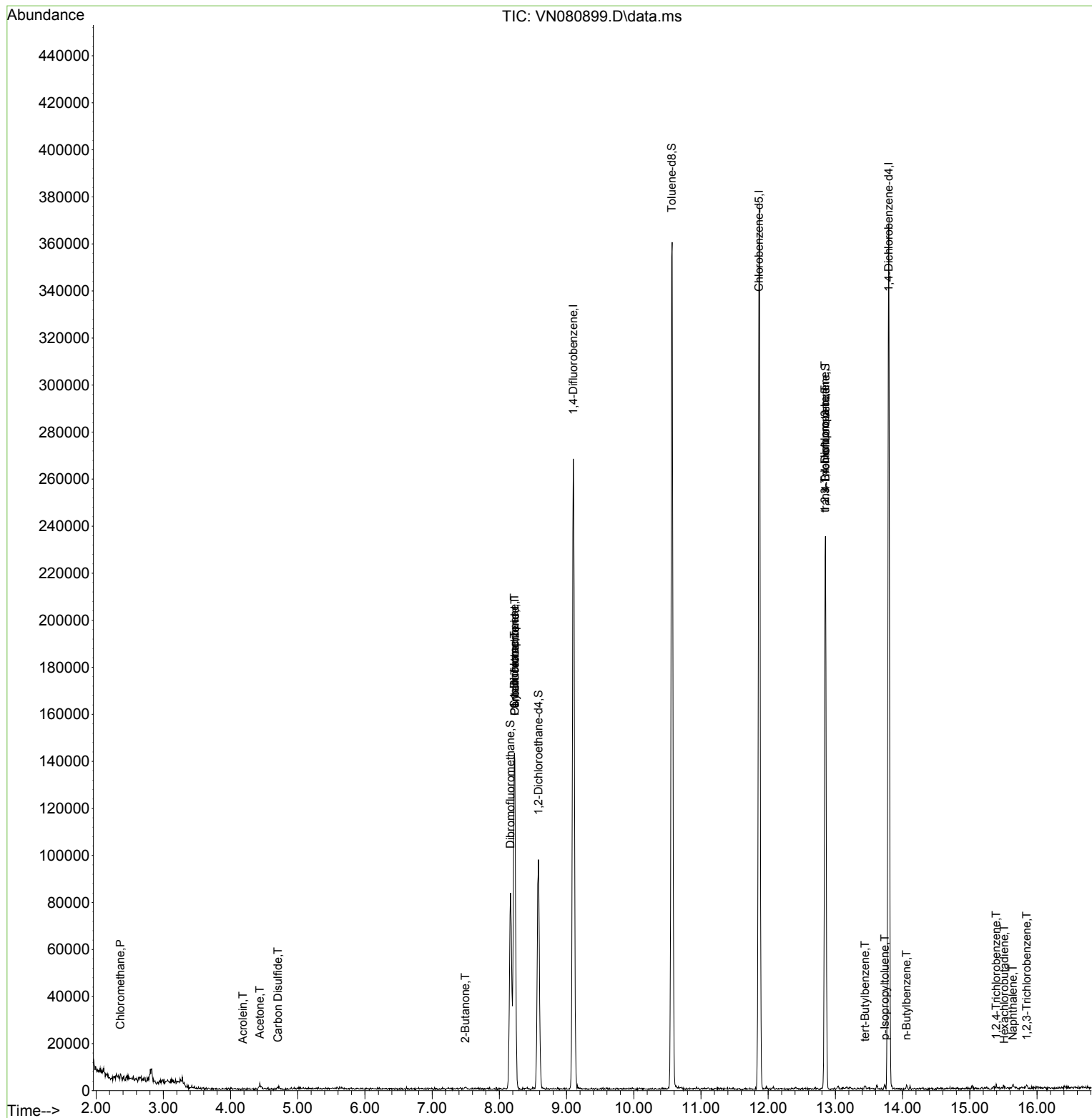
Target Compounds				Qvalue		
3) Chloromethane	2.359	50	1358	0.720	ug/l #	79
13) Acrolein	4.183	56	92	0.306	ug/l	97
16) Acetone	4.436	43	3284	6.195	ug/l #	66
17) Carbon Disulfide	4.706	76	943	0.255	ug/l #	78
25) 2-Butanone	7.494	43	523	0.519	ug/l #	51
31) Cyclohexane	8.224	56	3650	1.456	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	11087	4.841	ug/l #	46
38) Carbon Tetrachloride	8.230	117	12197	6.610	ug/l #	20
76) 1,2,3-Trichloropropane	12.847	75	46329	19.496	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46329	50.224	ug/l #	14
83) tert-Butylbenzene	13.441	119	998	0.217	ug/l #	79
86) p-Isopropyltoluene	13.735	119	1069	0.203	ug/l #	49
89) n-Butylbenzene	14.059	91	1264	0.246	ug/l #	83
93) 1,2,4-Trichlorobenzene	15.394	180	401	0.309	ug/l #	66
94) Hexachlorobutadiene	15.511	225	266	0.468	ug/l #	45
95) Naphthalene	15.641	128	2154	0.433	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.847	180	602	0.471	ug/l	94

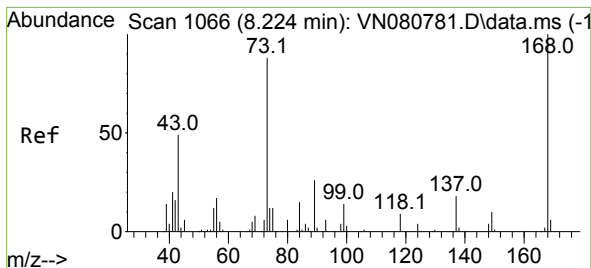
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

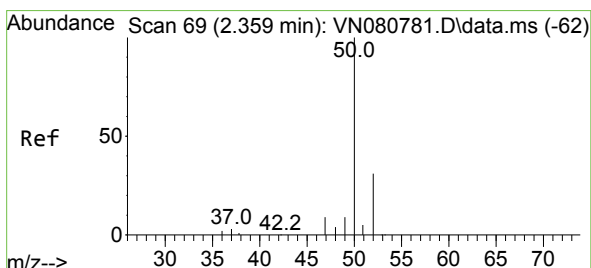
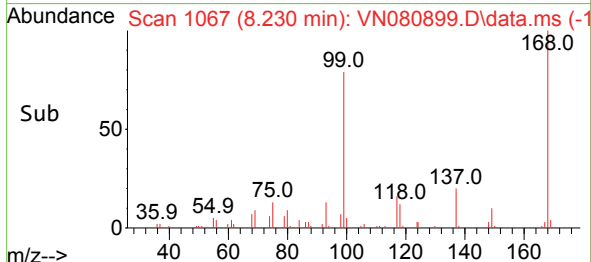
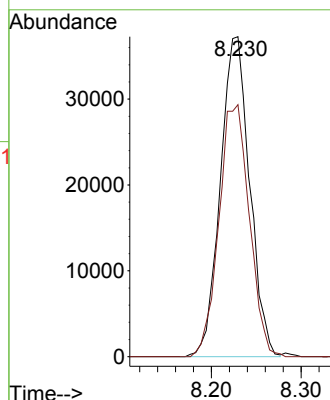
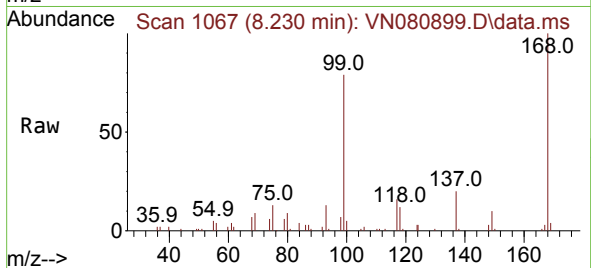
T180-AOP

Tgt Ion:168 Resp: 84497

Ion Ratio Lower Upper

168 100

99 78.7 59.9 89.9



#3

Chloromethane

Concen: 0.720 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN080899.D

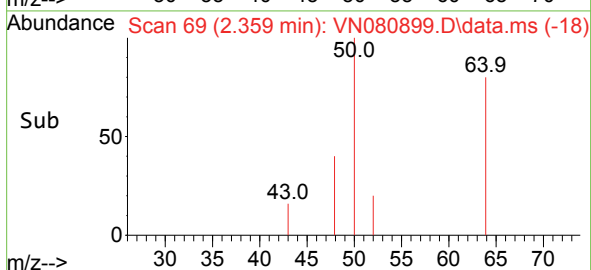
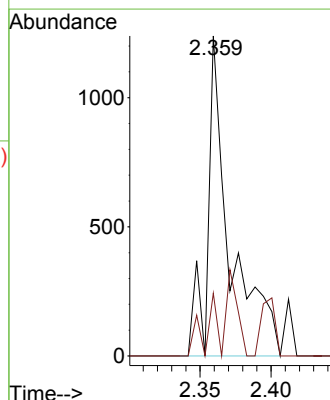
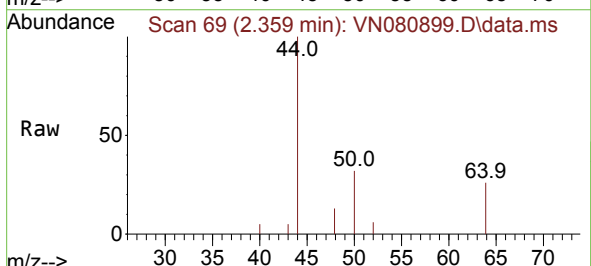
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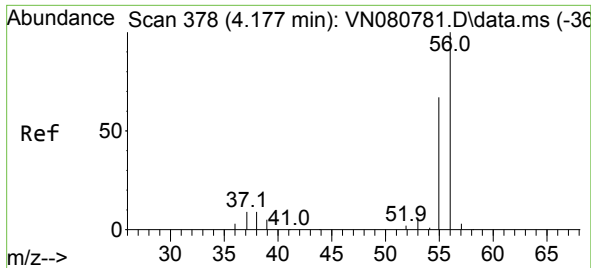
Tgt Ion: 50 Resp: 1358

Ion Ratio Lower Upper

50 100

52 19.6 25.0 37.4#





#13

Acrolein

Concen: 0.306 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

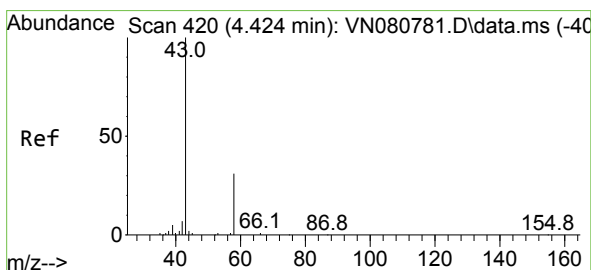
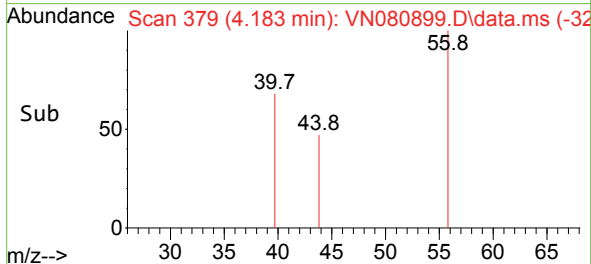
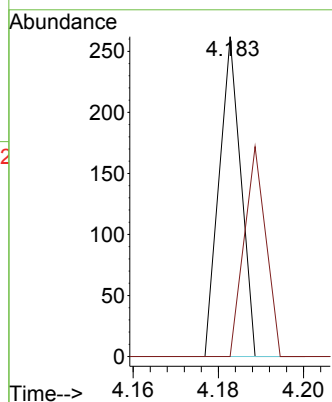
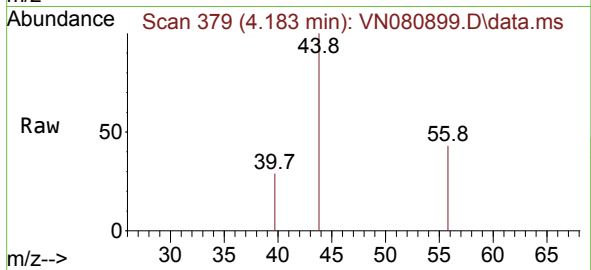
T180-AOP

Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 66.3 55.3 82.9



#16

Acetone

Concen: 6.195 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080899.D

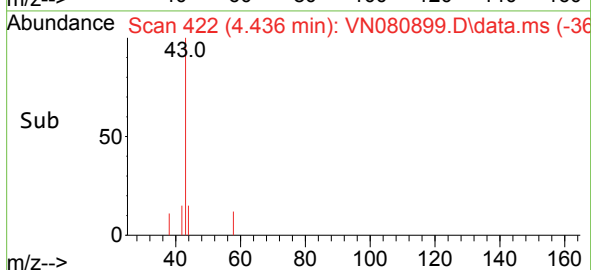
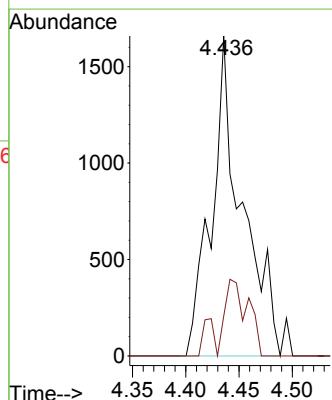
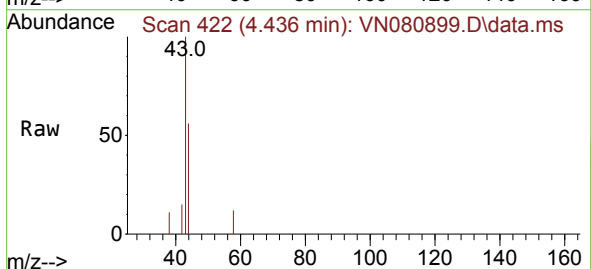
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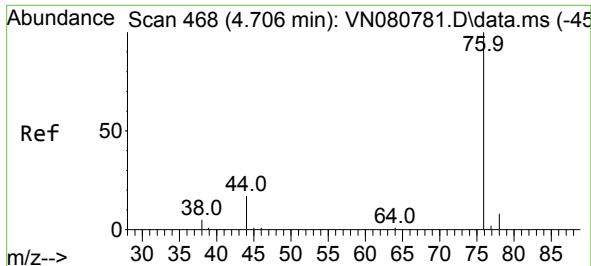
Tgt Ion: 43 Resp: 3284

Ion Ratio Lower Upper

43 100

58 12.4 24.8 37.2#

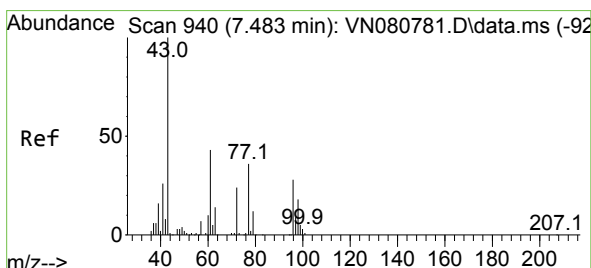
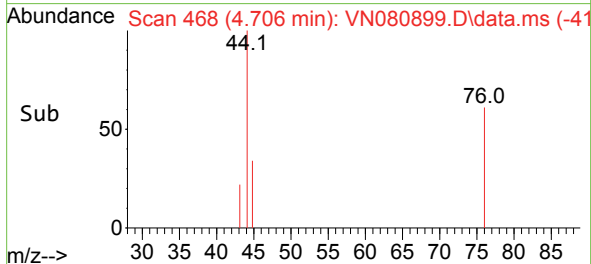
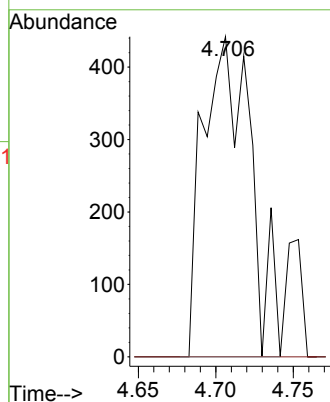
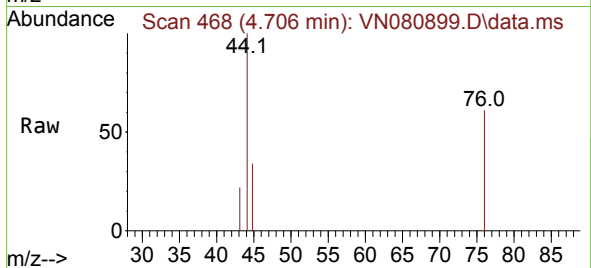




#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

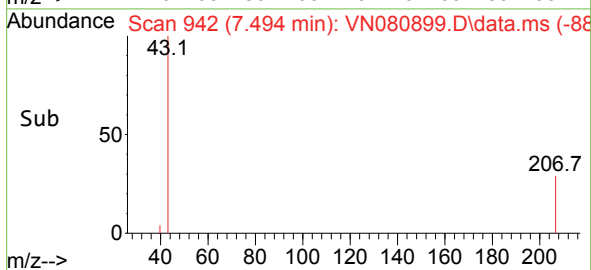
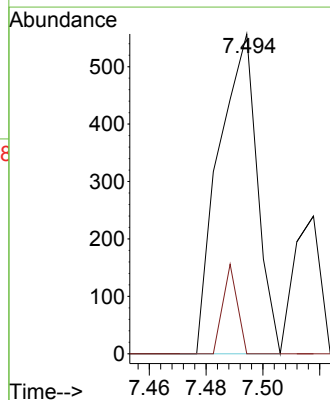
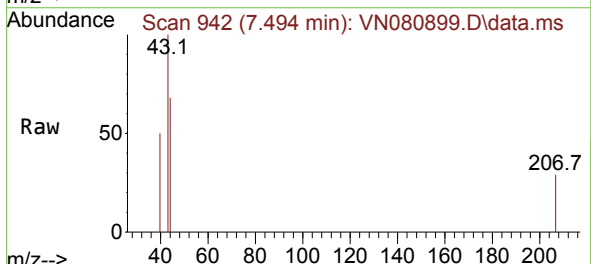
Instrument :
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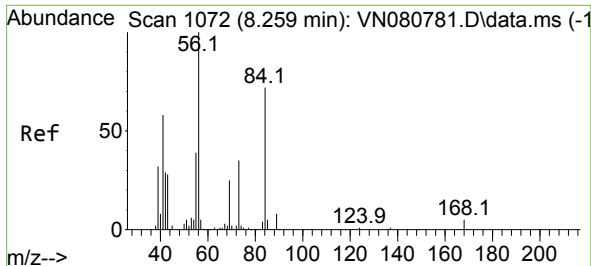
Tgt Ion: 76 Resp: 943
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#25
2-Butanone
Concen: 0.519 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#

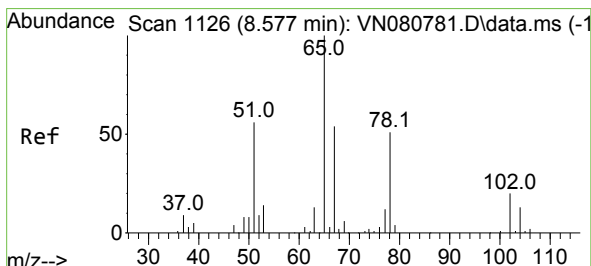
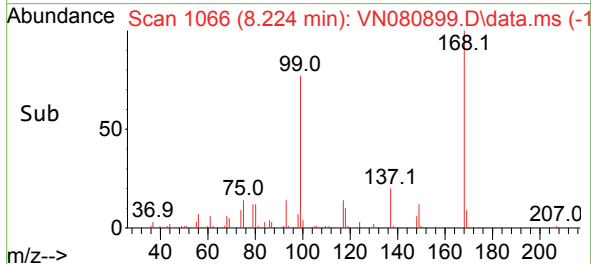
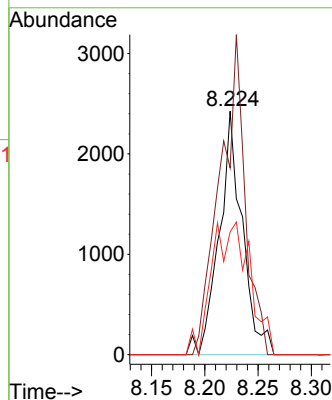
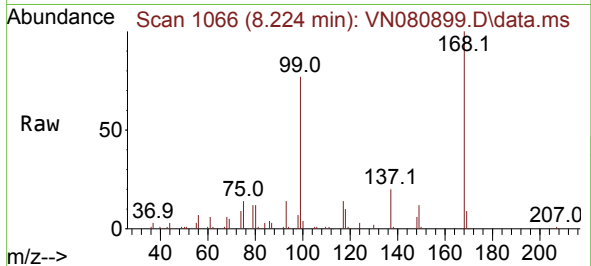




#31
Cyclohexane
Concen: 1.456 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

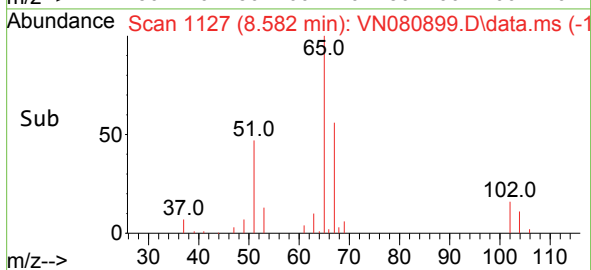
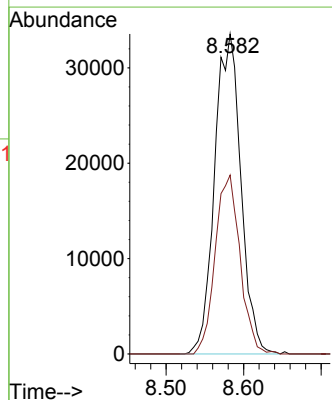
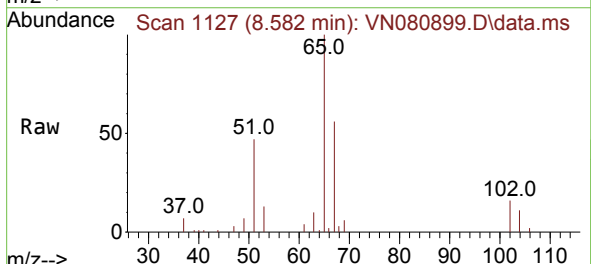
Instrument :
MSVOA_N
ClientSampleId :
T180-AOP

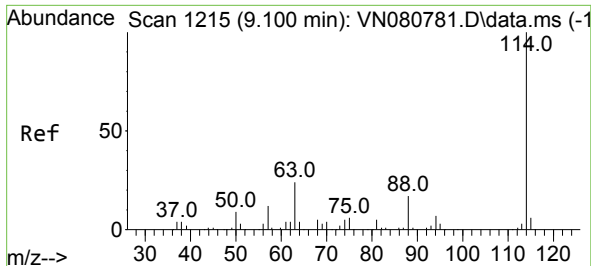
Tgt Ion: 56 Resp: 3650
Ion Ratio Lower Upper
56 100
69 76.7 20.1 30.1#
84 50.4 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 53.972 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion: 65 Resp: 78895
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.4

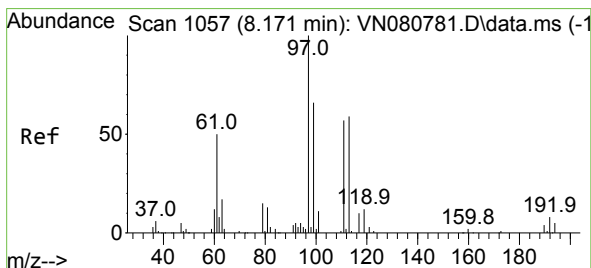
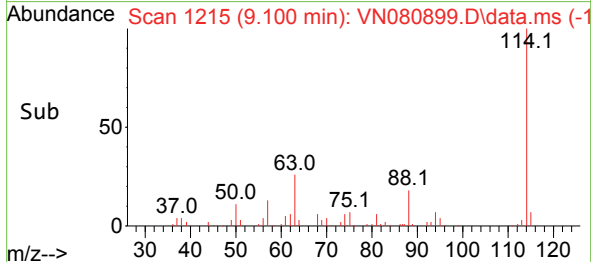
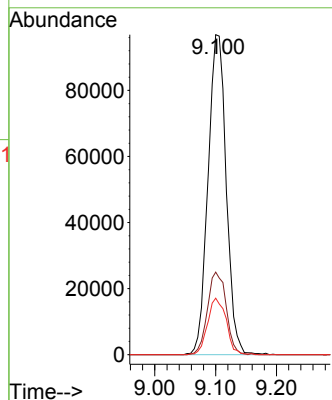
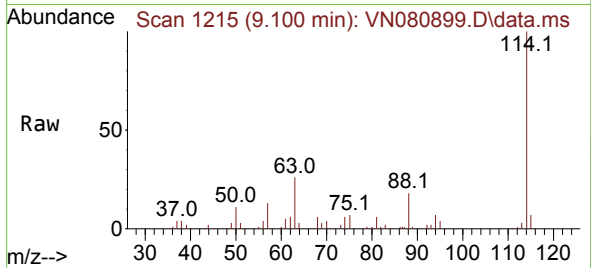




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

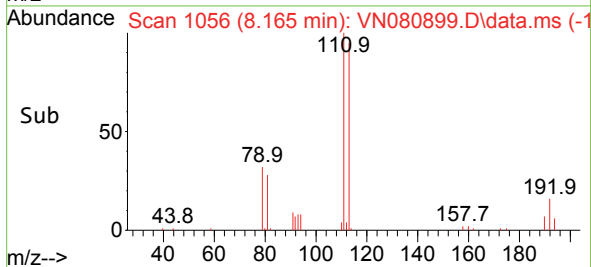
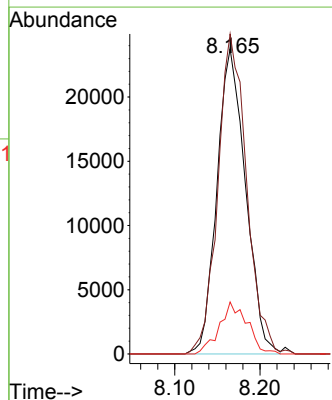
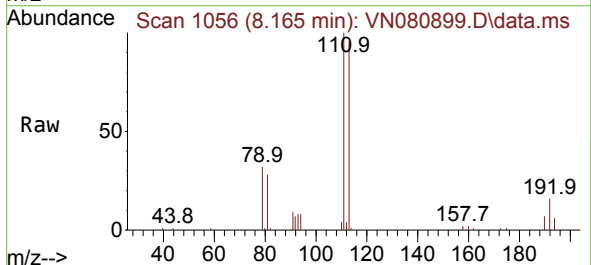
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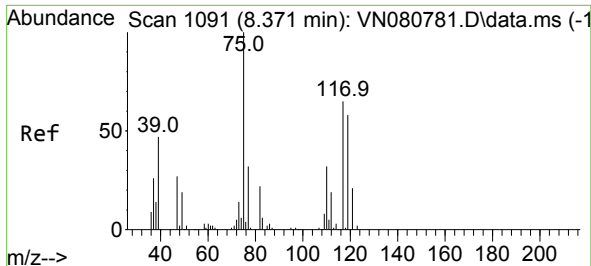
Tgt Ion:114 Resp: 201408
Ion Ratio Lower Upper
114 100
63 25.8 0.0 48.0
88 17.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 44.995 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion:113 Resp: 55444
Ion Ratio Lower Upper
113 100
111 105.3 82.2 123.4
192 16.6 12.5 18.7

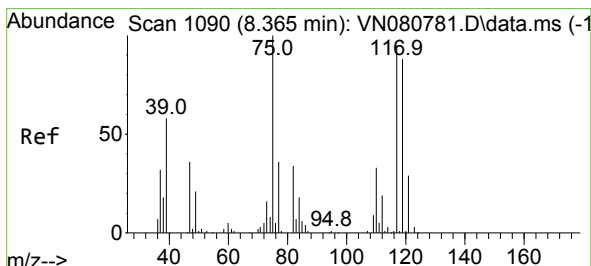
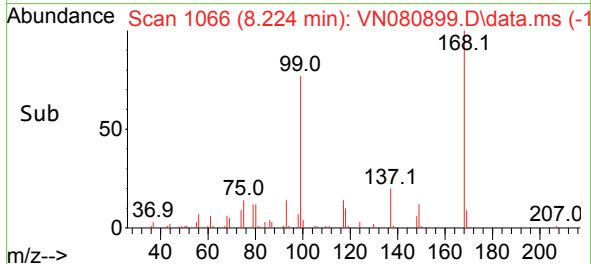
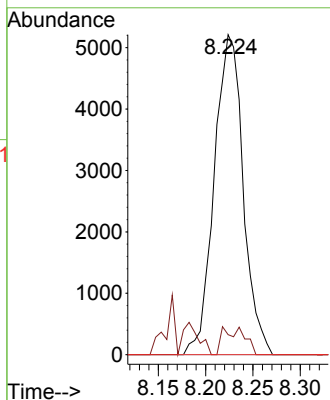
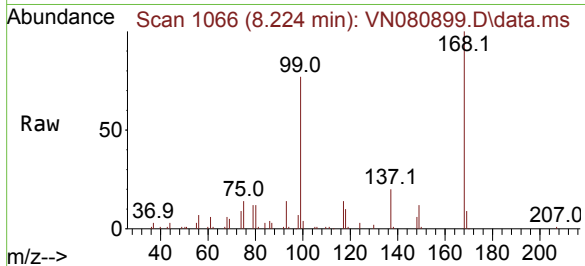




#36
 1,1-Dichloropropene
 Concen: 4.841 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN080899.D
 Acq: 05 Feb 2024 16:14

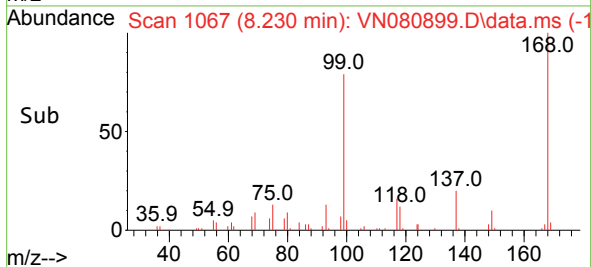
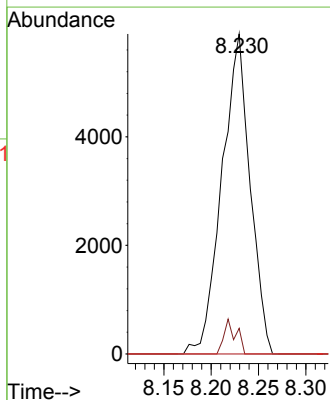
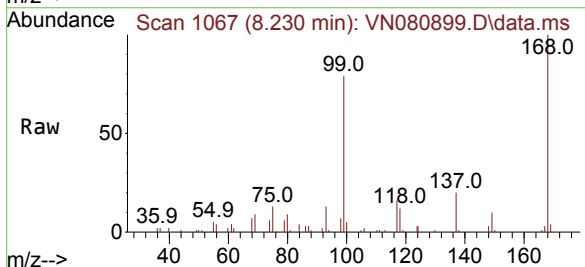
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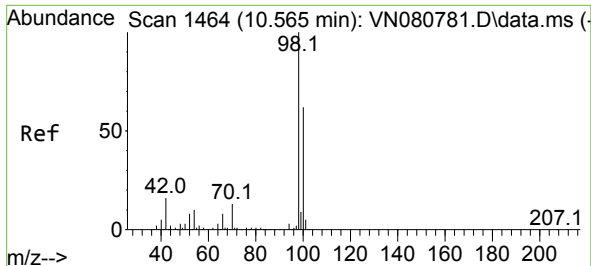
Tgt Ion: 75 Resp: 11087
 Ion Ratio Lower Upper
 75 100
 110 3.4 16.0 48.0#
 77 0.0 25.8 38.6#



#38
 Carbon Tetrachloride
 Concen: 6.610 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.135 min
 Lab File: VN080899.D
 Acq: 05 Feb 2024 16:14

Tgt Ion: 117 Resp: 12197
 Ion Ratio Lower Upper
 117 100
 119 8.0 73.4 110.2#
 121 0.0 24.4 36.6#

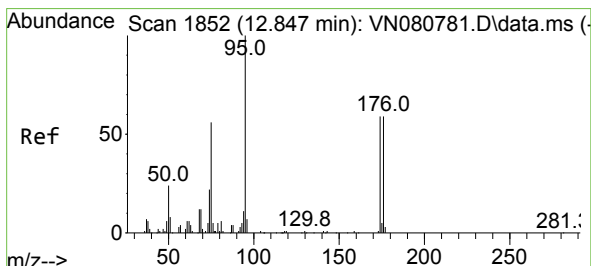
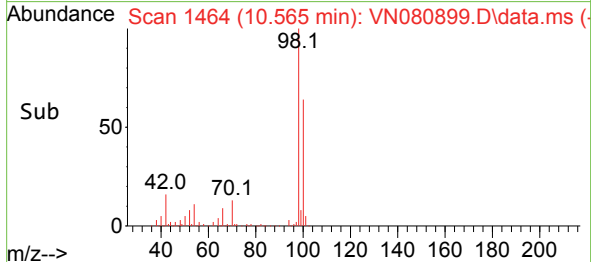
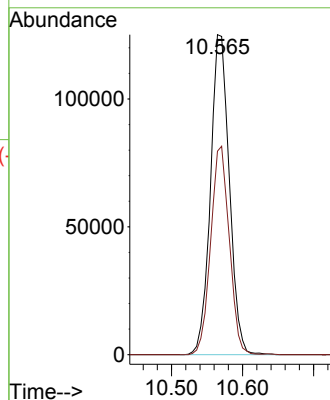
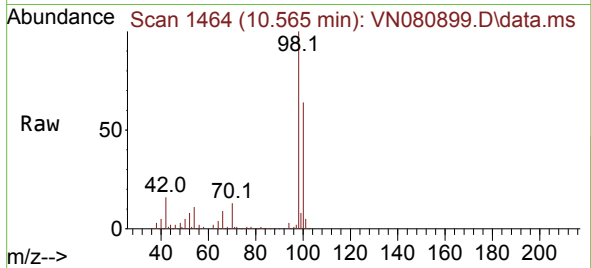




#50
Toluene-d8
Concen: 47.771 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

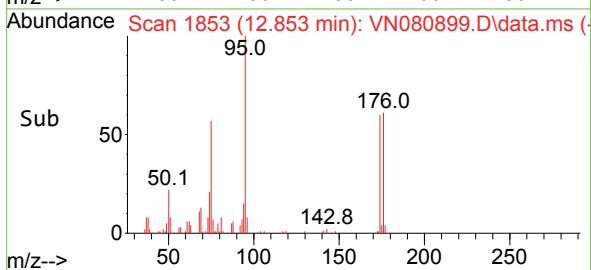
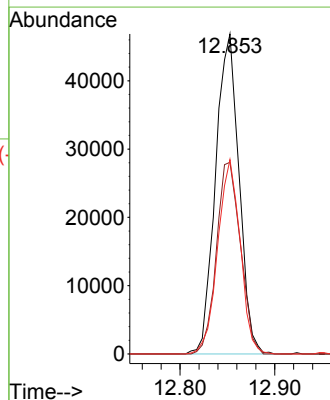
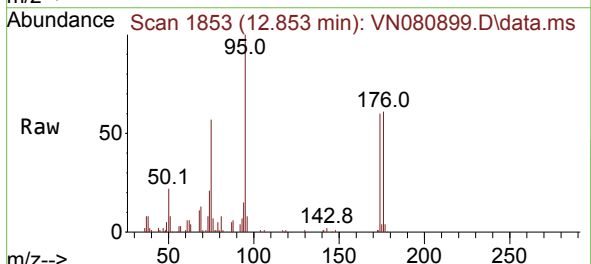
Instrument :
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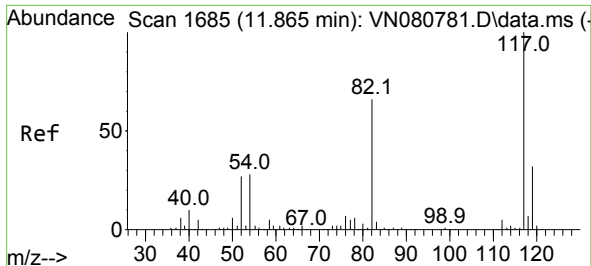
Tgt Ion: 98 Resp: 230390
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 48.096 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion: 95 Resp: 80831
Ion Ratio Lower Upper
95 100
174 61.2 0.0 120.4
176 58.2 0.0 121.0

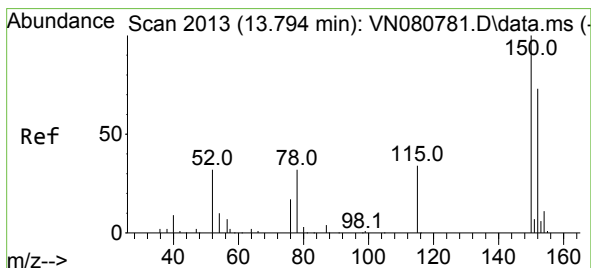
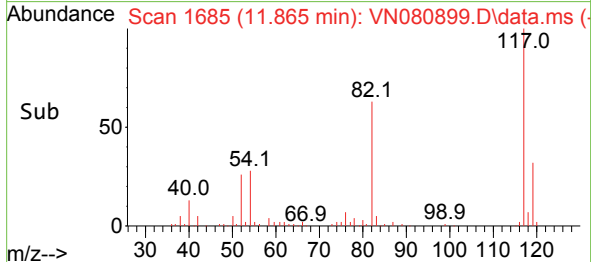
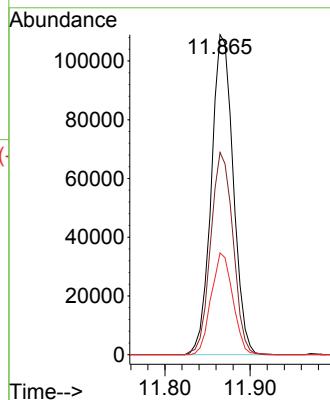
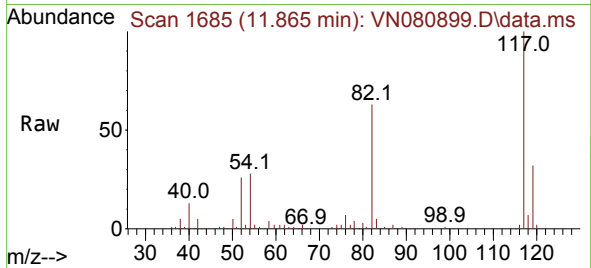




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

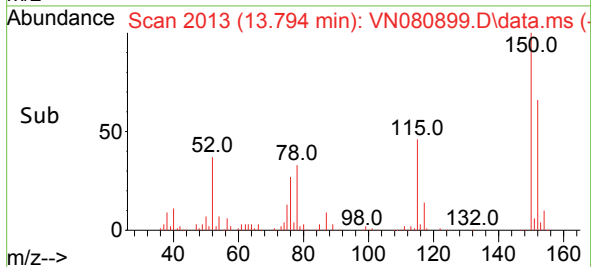
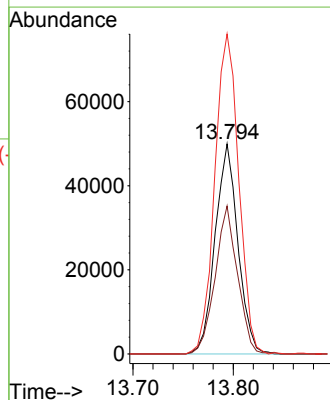
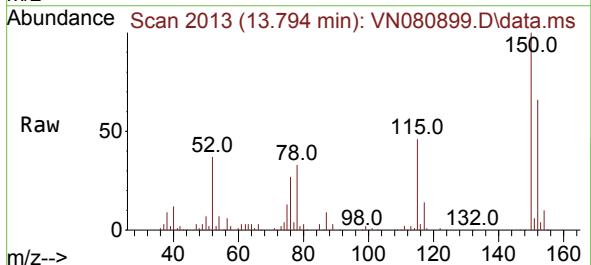
Instrument :
MSVOA_N
ClientSampleId :
T180-AOP

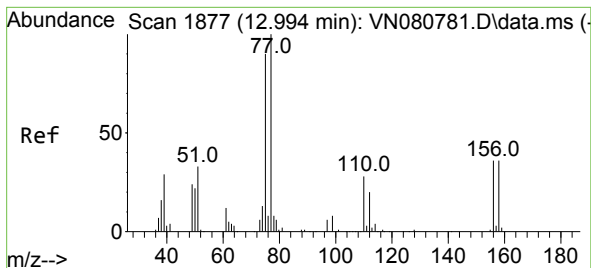
Tgt Ion:117 Resp: 194591
Ion Ratio Lower Upper
117 100
82 63.2 52.7 79.1
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion:152 Resp: 78792
Ion Ratio Lower Upper
152 100
115 69.4 32.3 96.8
150 160.0 0.0 339.8





#76

1,2,3-Trichloropropane

Concen: 19.496 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

Instrument :

MSVOA_N

ClientSampleId :

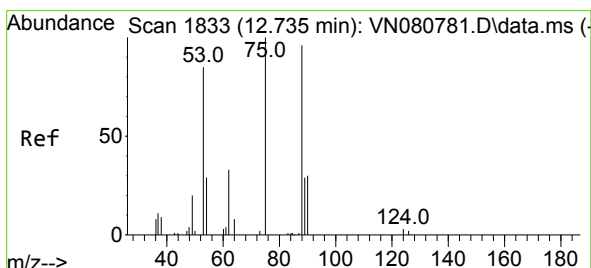
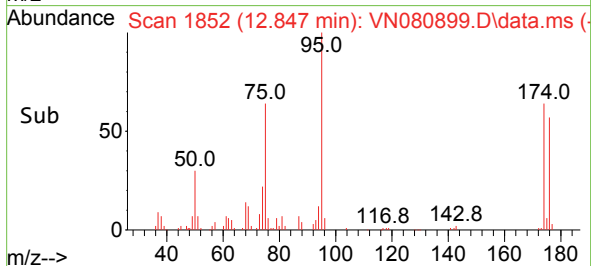
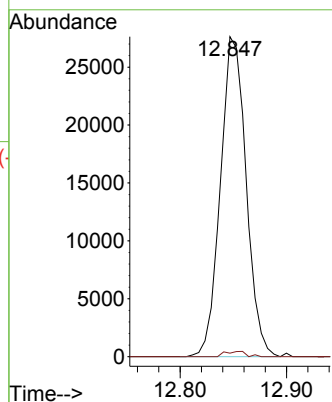
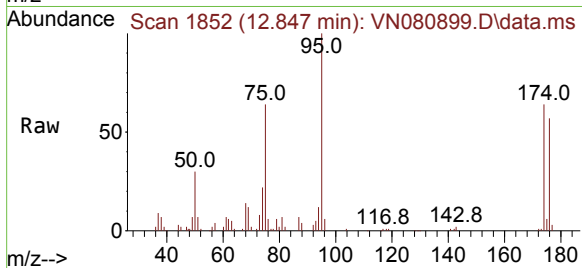
T180-AOP

Tgt Ion: 75 Resp: 46329

Ion Ratio Lower Upper

75 100

77 1.4 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.224 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

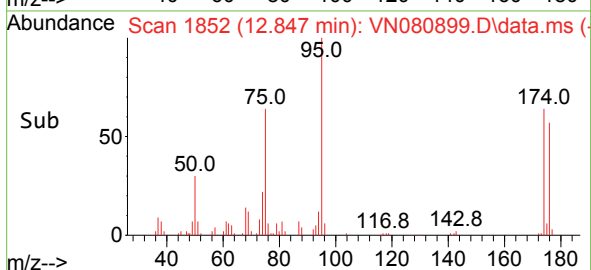
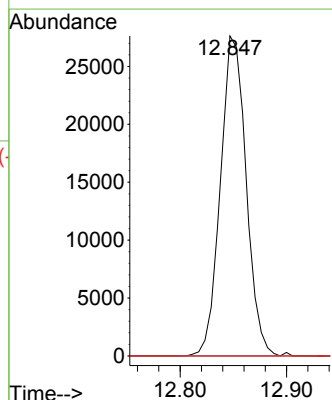
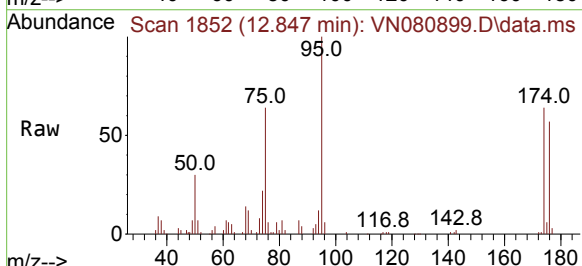
Tgt Ion: 75 Resp: 46329

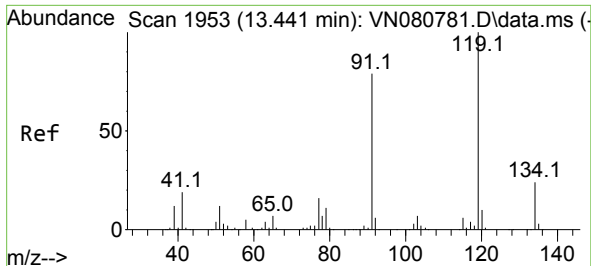
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

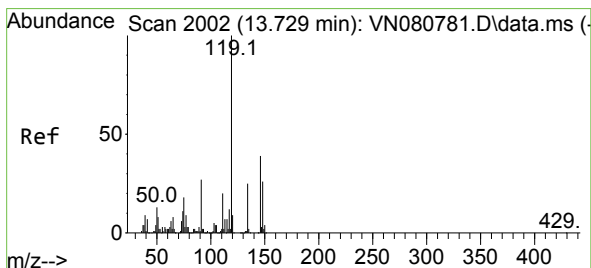
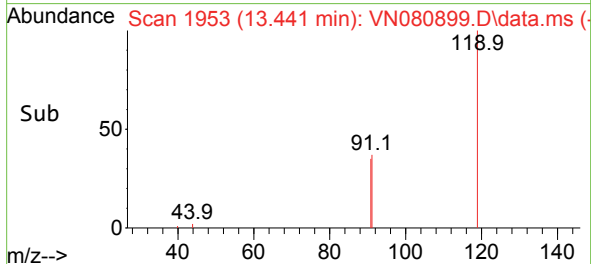
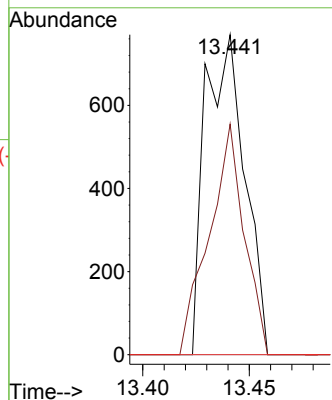
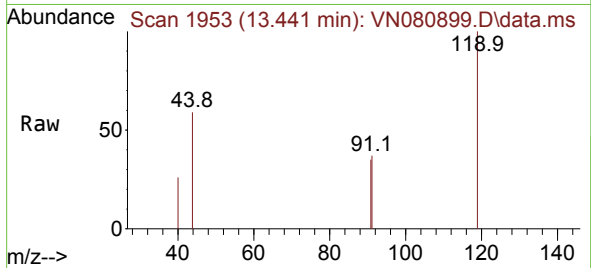




#83
tert-Butylbenzene
Concen: 0.217 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

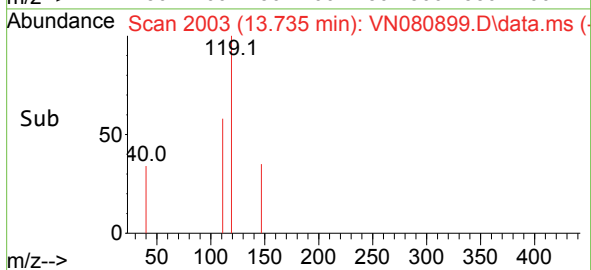
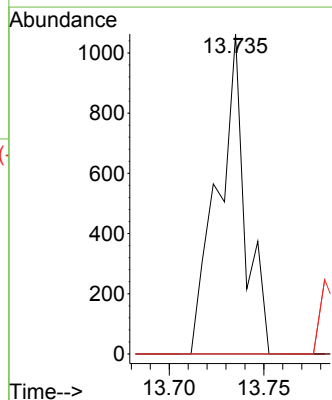
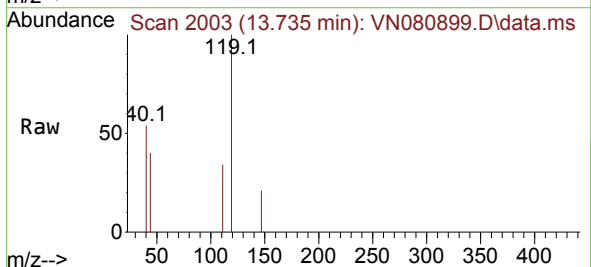
Instrument :
MSVOA_N
ClientSampleId :
T180-AOP

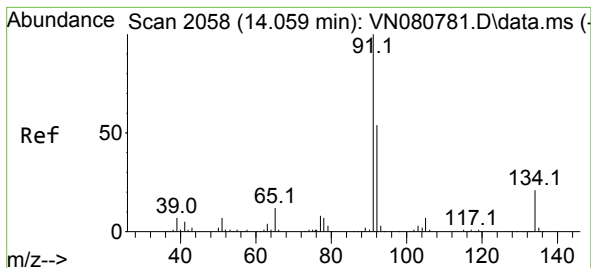
Tgt Ion:119 Resp: 998
Ion Ratio Lower Upper
119 100
91 63.7 36.8 110.4
134 0.0 12.4 37.4#



#86
p-Isopropyltoluene
Concen: 0.203 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion:119 Resp: 1069
Ion Ratio Lower Upper
119 100
134 0.0 12.4 37.2#
91 0.0 13.5 40.4#





#89

n-Butylbenzene

Concen: 0.246 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

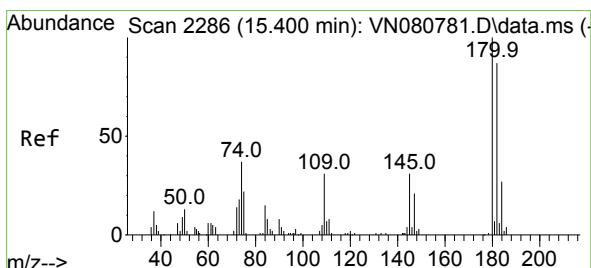
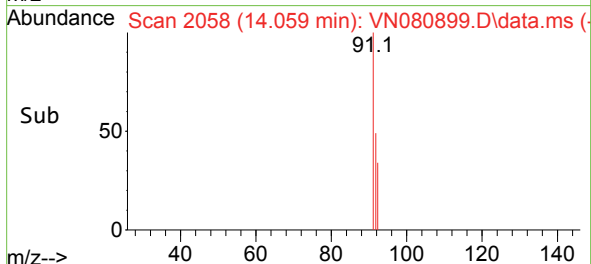
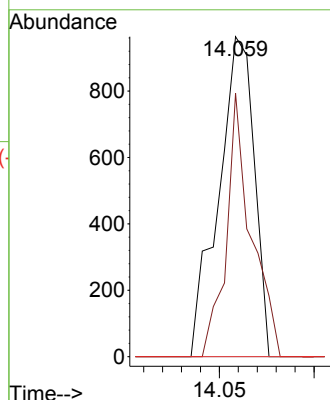
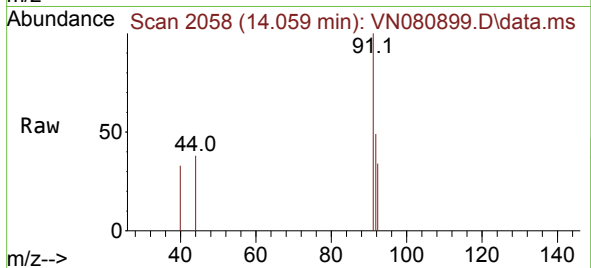
Instrument :

MSVOA_N

ClientSampleId :

T180-AOP

Tgt Ion: 91	Resp:	1264
Ion	Ratio	Lower Upper
91	100	
92	57.1	26.7 80.1
134	0.0	10.8 32.4



#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

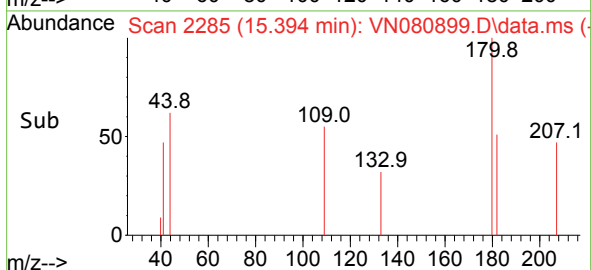
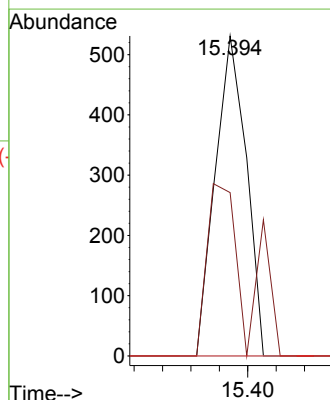
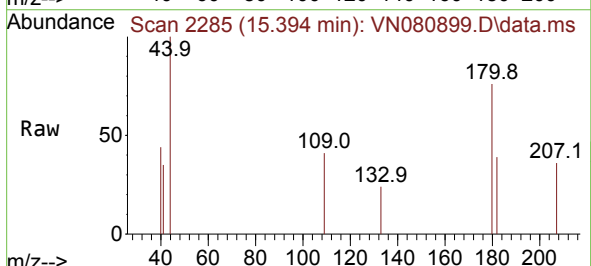
RT: 15.394 min Scan# 2285

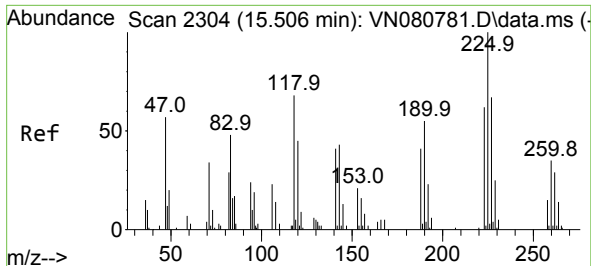
Delta R.T. -0.006 min

Lab File: VN080899.D

Acq: 05 Feb 2024 16:14

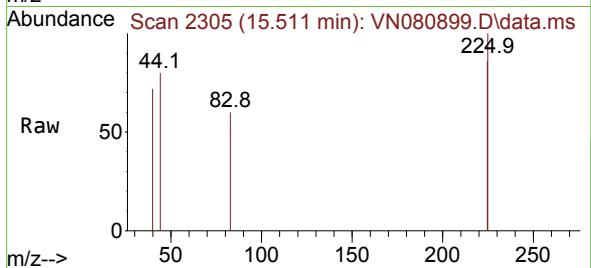
Tgt Ion: 180	Resp:	401
Ion	Ratio	Lower Upper
180	100	
182	68.8	46.6 139.7
145	0.0	16.8 50.3



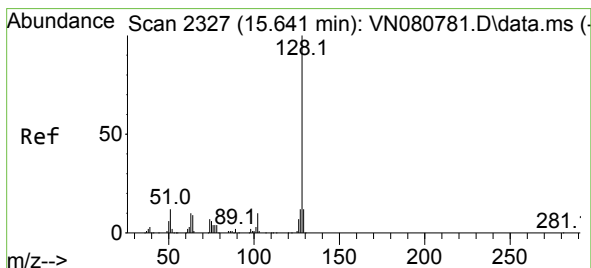
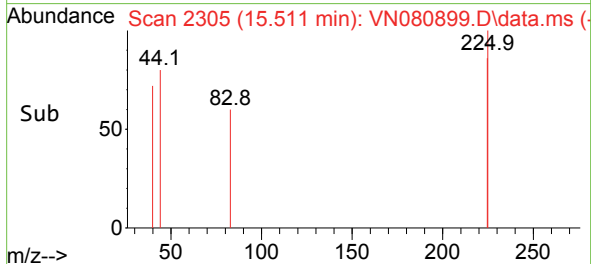
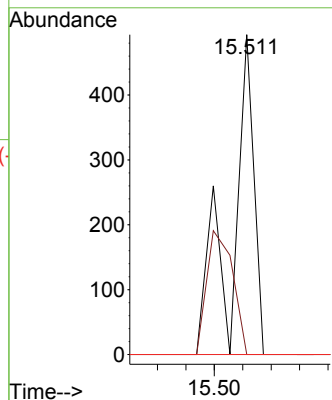


#94
Hexachlorobutadiene
Concen: 0.468 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Instrument :
MSVOA_N
ClientSampleId :
T180-AOP

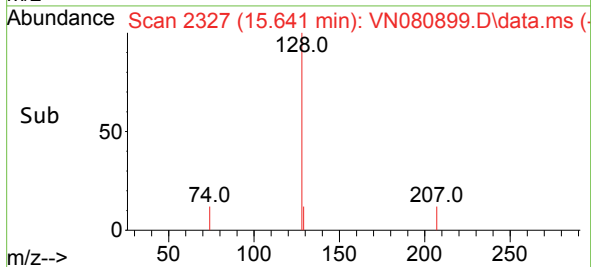
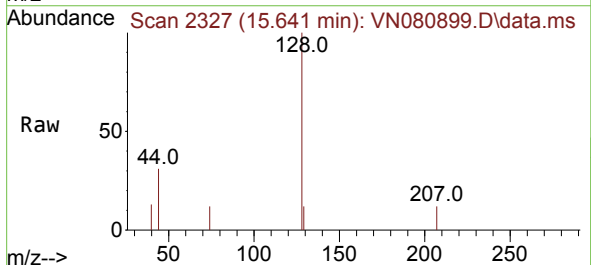
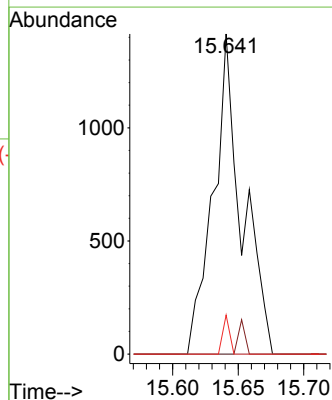


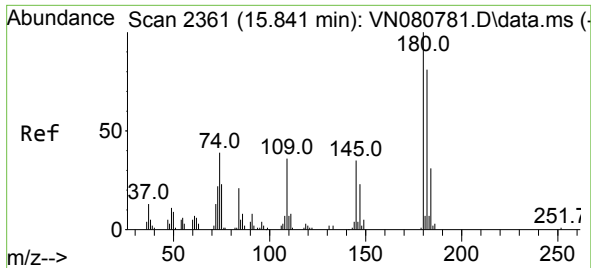
Tgt Ion:225 Resp: 266
Ion Ratio Lower Upper
225 100
223 45.5 33.3 99.8
227 0.0 33.1 99.2#



#95
Naphthalene
Concen: 0.433 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080899.D
Acq: 05 Feb 2024 16:14

Tgt Ion:128 Resp: 2154
Ion Ratio Lower Upper
128 100
127 2.5 10.0 15.0#
129 2.8 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.471 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN080899.D
 Acq: 05 Feb 2024 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 T180-AOP

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	46.5	139.3
145	29.9	17.8	53.4

