

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032524\
 Data File : VN081551.D
 Acq On : 25 Mar 2024 10:47
 Operator : JC\MD
 Sample : VN0325MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBL01

Quant Time: Mar 26 01:15:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	403078	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	697857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	604198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	247356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	251794	48.984	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.960%
35) Dibromofluoromethane	8.165	113	215798	48.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.000%
50) Toluene-d8	10.565	98	814010	51.129	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.260%
62) 4-Bromofluorobenzene	12.847	95	254168	45.308	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	90.620%

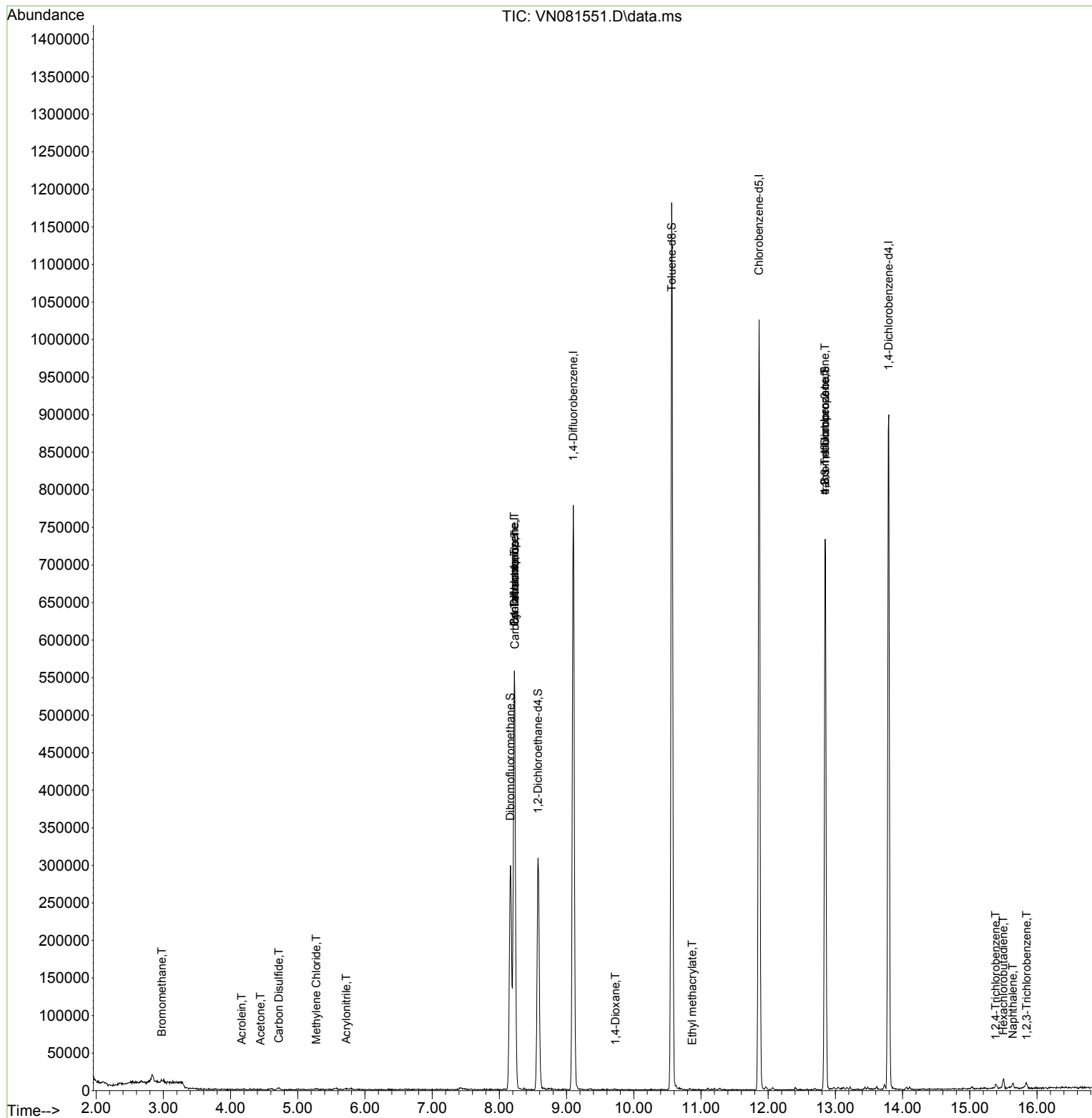
Target Compounds						Qvalue
5) Bromomethane	2.977	94	2469	0.576	ug/l	90
13) Acrolein	4.165	56	269	0.335	ug/l	# 67
15) Acrylonitrile	5.724	53	1183	0.494	ug/l	90
16) Acetone	4.447	43	354	0.213	ug/l	# 44
17) Carbon Disulfide	4.718	76	6370	0.467	ug/l	96
20) Methylene Chloride	5.277	84	1435	0.264	ug/l	# 40
31) Cyclohexane	8.224	56	8880	1.062	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	33452	4.513	ug/l	# 49
38) Carbon Tetrachloride	8.229	117	44330	5.460	ug/l	# 17
49) 1,4-Dioxane	9.729	88	63	0.540	ug/l	# 18
56) Ethyl methacrylate	10.871	69	58	0.578	ug/l	# 20
76) 1,2,3-Trichloropropane	12.847	75	131129	22.162	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	131129	59.889	ug/l	# 14
93) 1,2,4-Trichlorobenzene	15.388	180	2206	0.414	ug/l	86
94) Hexachlorobutadiene	15.500	225	2469	1.057	ug/l	# 76
95) Naphthalene	15.641	128	9424	0.546	ug/l	# 95
96) 1,2,3-Trichlorobenzene	15.847	180	3619	0.676	ug/l	88

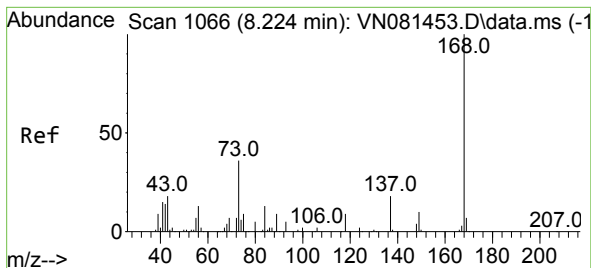
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

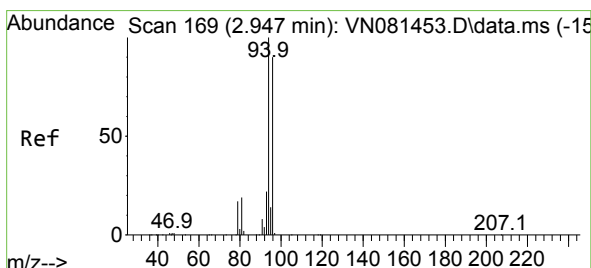
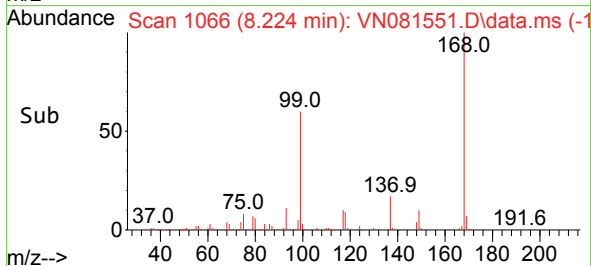
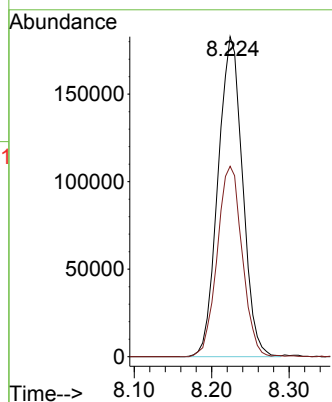
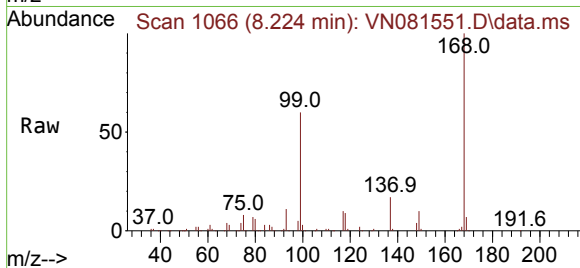
VN0325MBL01

Tgt Ion:168 Resp: 403078

Ion Ratio Lower Upper

168 100

99 59.5 59.9 89.9#



#5

Bromomethane

Concen: 0.576 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.029 min

Lab File: VN081551.D

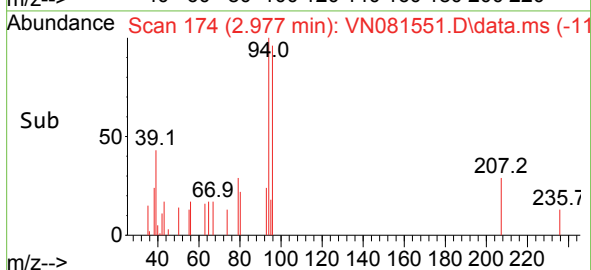
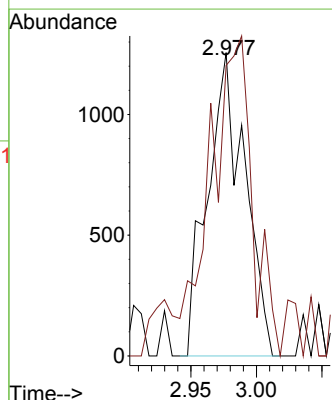
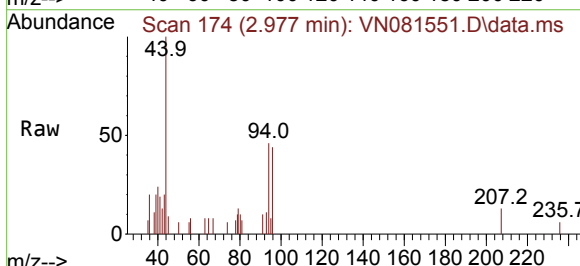
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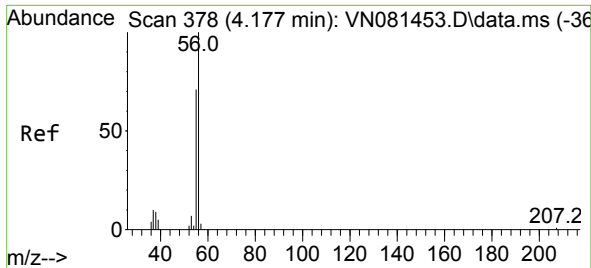
Tgt Ion: 94 Resp: 2469

Ion Ratio Lower Upper

94 100

96 95.8 69.2 103.8

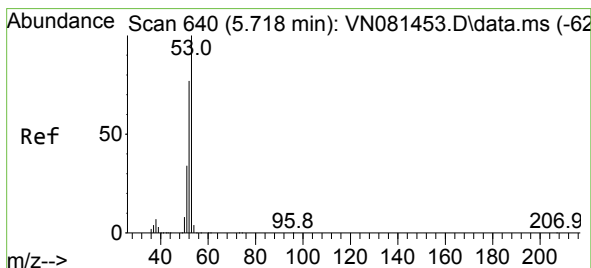
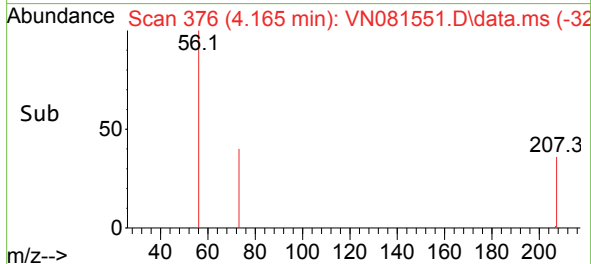
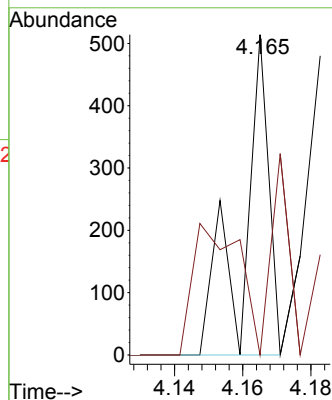
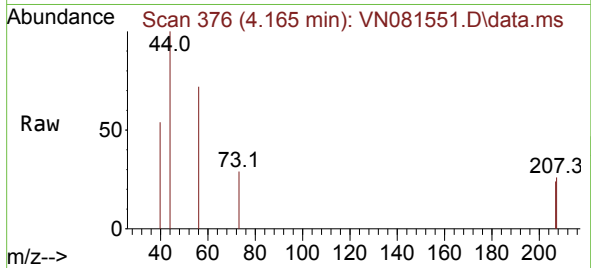




#13
Acrolein
Concen: 0.335 ug/l
RT: 4.165 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

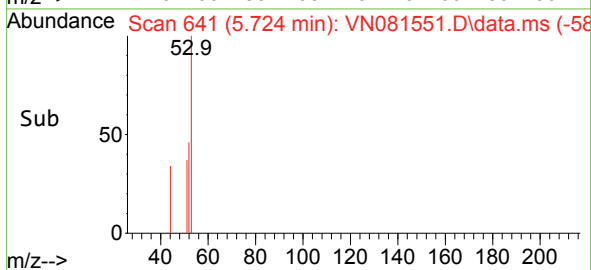
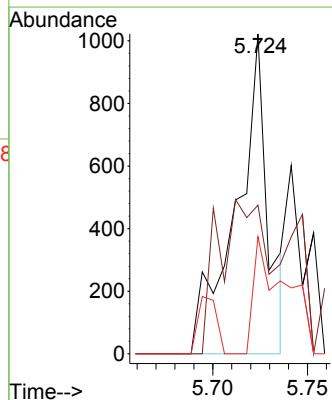
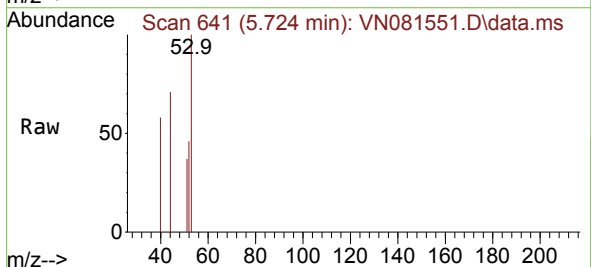
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBL01

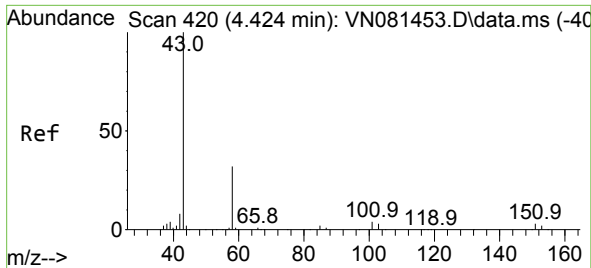
Tgt Ion: 56 Resp: 269
Ion Ratio Lower Upper
56 100
55 42.4 55.3 82.9#



#15
Acrylonitrile
Concen: 0.494 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 53 Resp: 1183
Ion Ratio Lower Upper
53 100
52 70.2 64.8 97.2
51 37.0 26.9 40.3

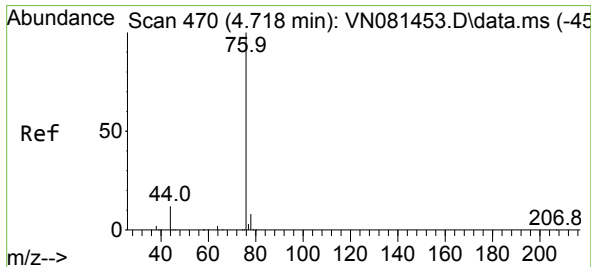
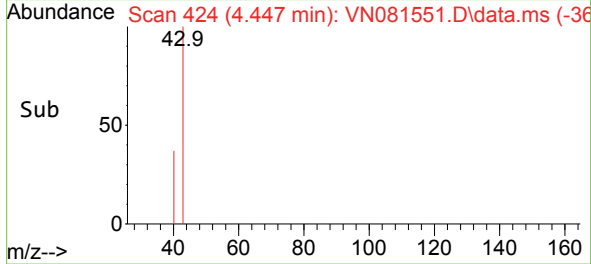
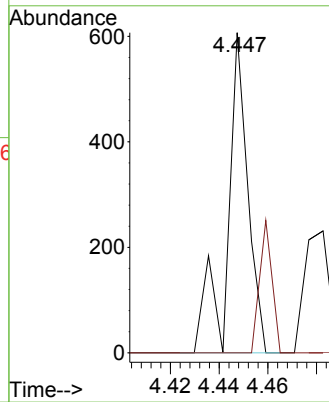
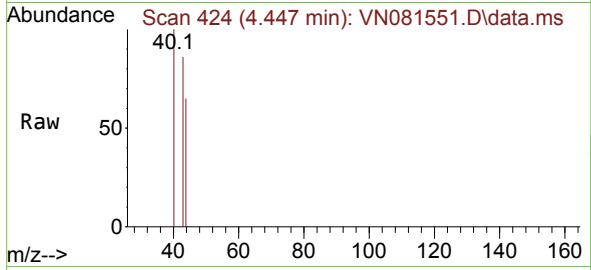




#16
Acetone
Concen: 0.213 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

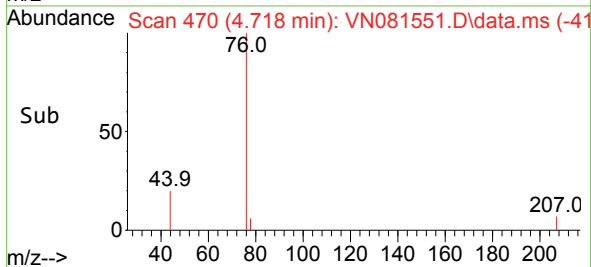
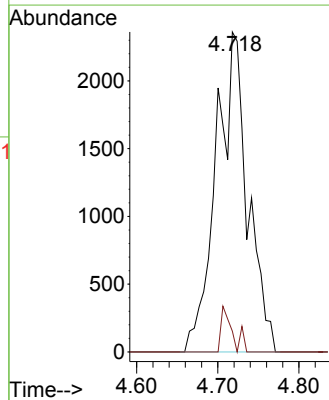
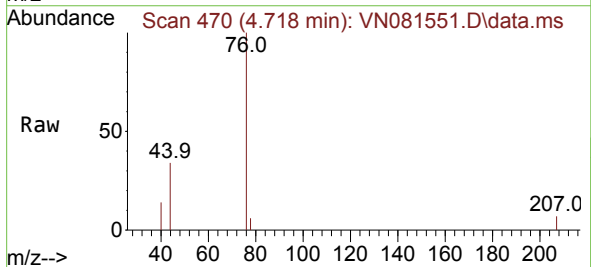
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBL01

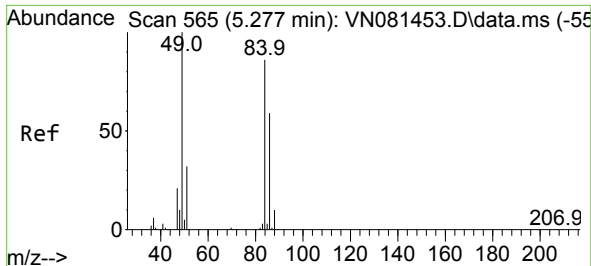
Tgt Ion: 43 Resp: 354
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.467 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.000 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 76 Resp: 6370
Ion Ratio Lower Upper
76 100
78 6.5 6.3 9.5

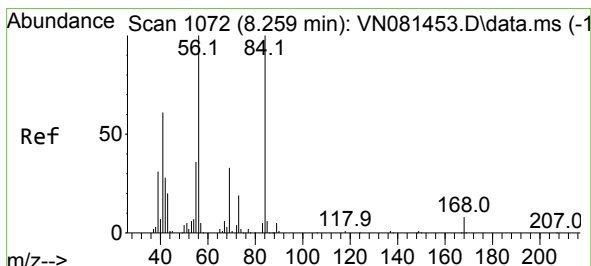
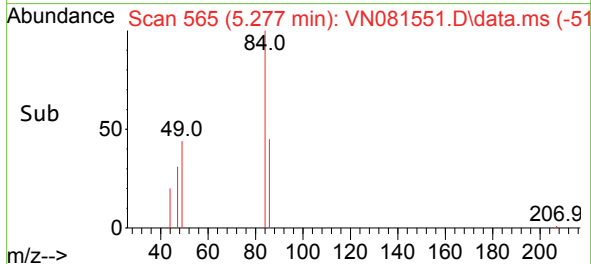
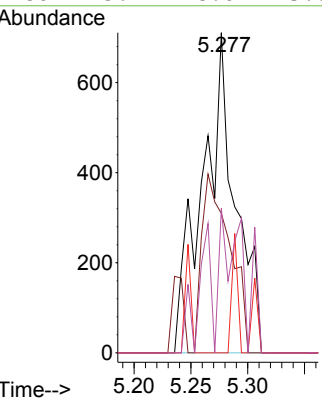
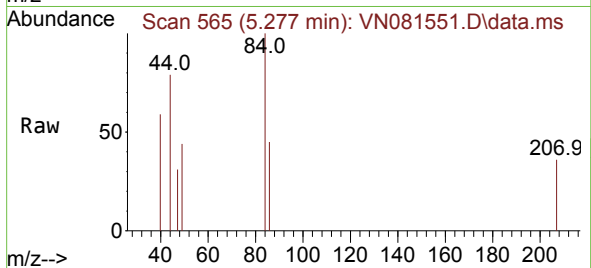




#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

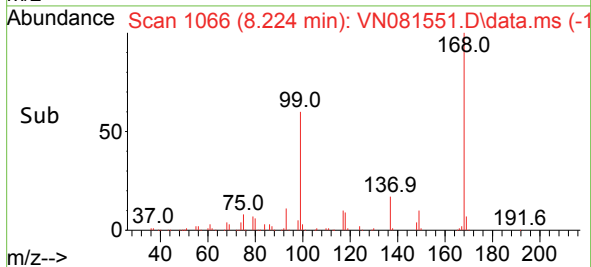
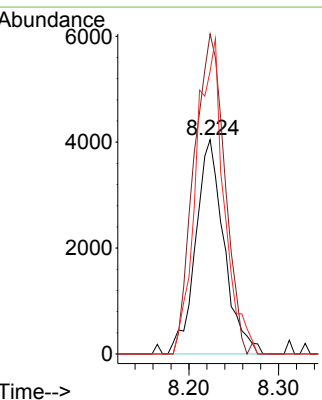
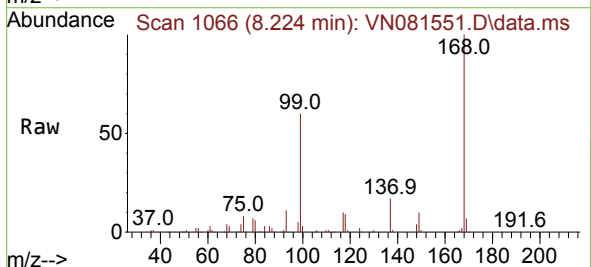
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBL01

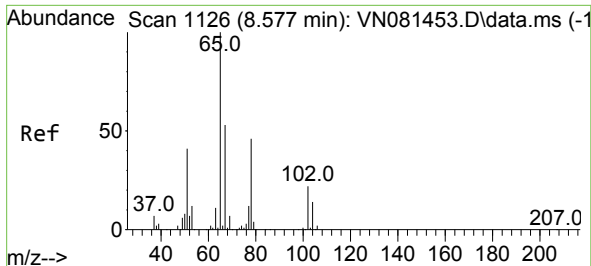
Tgt Ion: 84 Resp: 1435
Ion Ratio Lower Upper
84 100
49 43.6 108.1 162.1#
51 0.0 32.9 49.3#
86 45.1 48.6 73.0#



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 56 Resp: 8880
Ion Ratio Lower Upper
56 100
69 149.3 20.1 30.1#
84 132.0 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 48.984 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

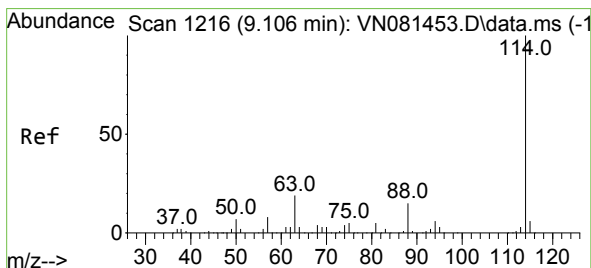
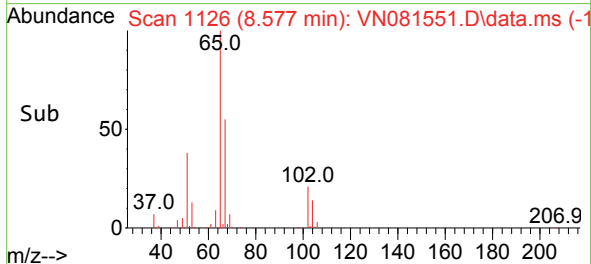
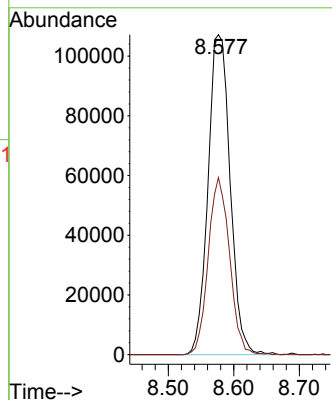
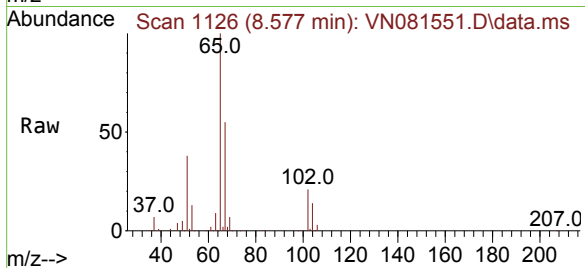
VN0325MBL01

Tgt Ion: 65 Resp: 251794

Ion Ratio Lower Upper

65 100

67 53.2 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

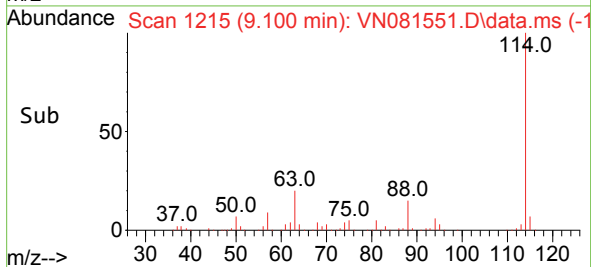
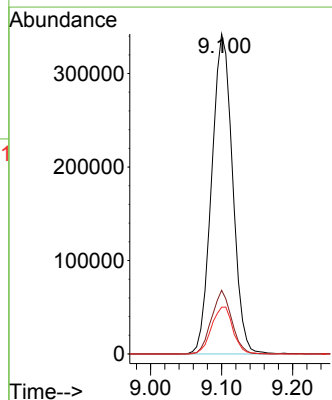
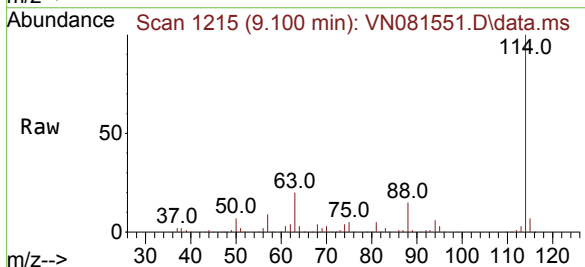
Tgt Ion: 114 Resp: 697857

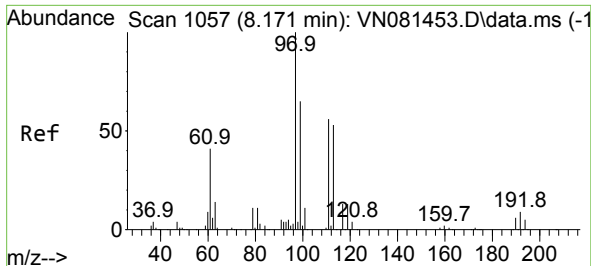
Ion Ratio Lower Upper

114 100

63 19.9 0.0 48.0

88 14.6 0.0 34.8

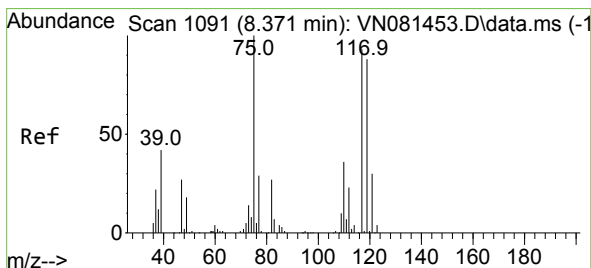
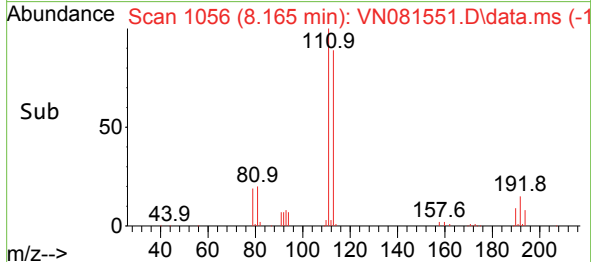
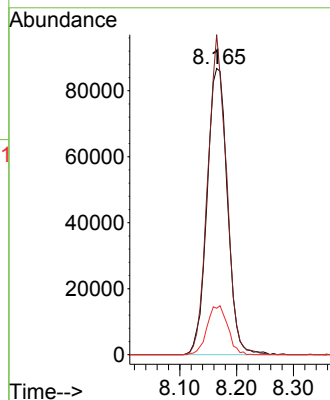
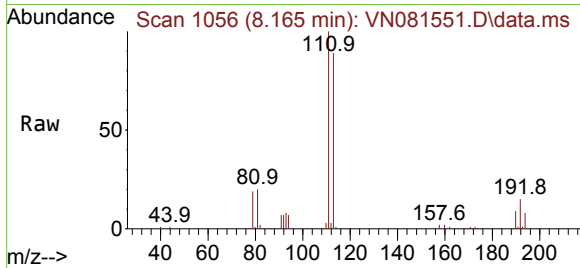




#35
Dibromofluoromethane
Concen: 48.998 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

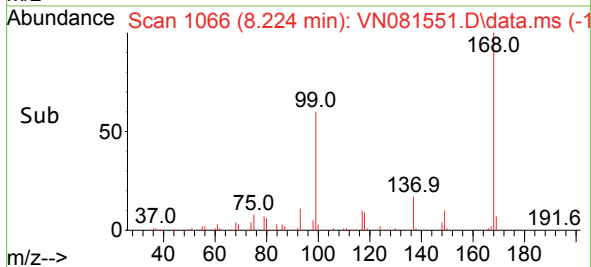
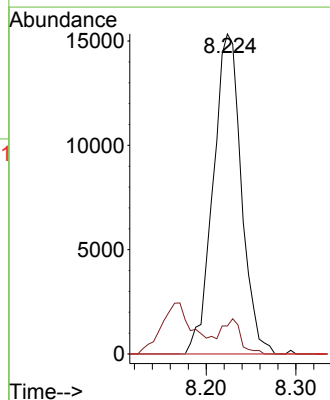
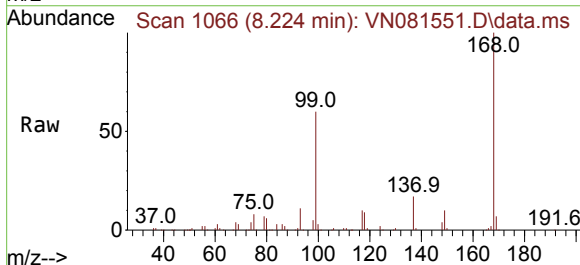
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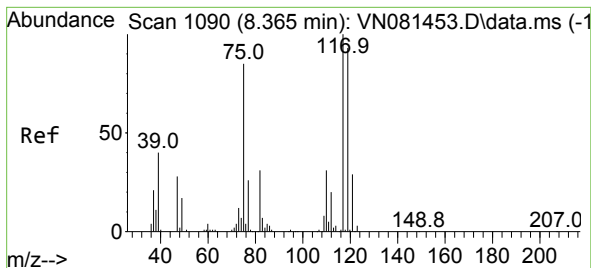
Tgt Ion:113 Resp: 215798
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 17.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.513 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 75 Resp: 33452
Ion Ratio Lower Upper
75 100
110 7.0 16.0 48.0#
77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.460 ug/l

RT: 8.229 min Scan# 117

Delta R.T. -0.135 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBL01

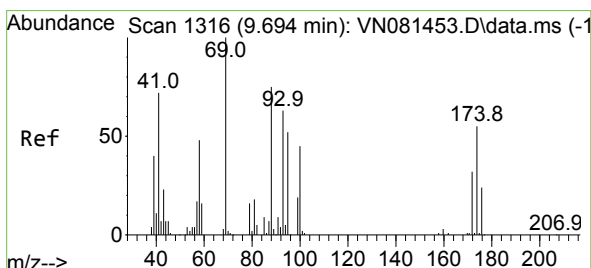
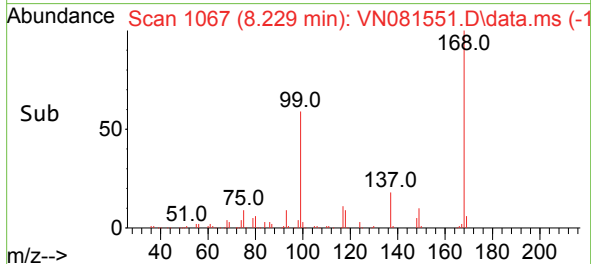
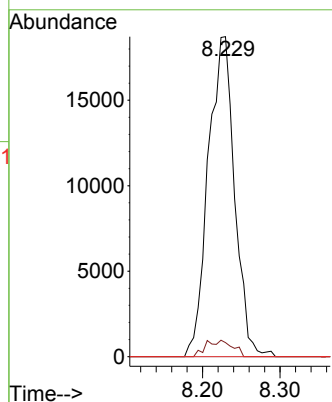
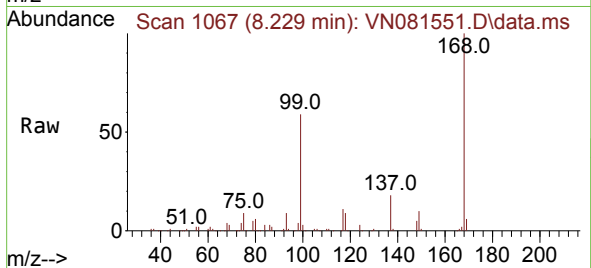
Tgt Ion:117 Resp: 44330

Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.2#

121 0.0 24.4 36.6#



#49

1,4-Dioxane

Concen: 0.540 ug/l

RT: 9.729 min Scan# 1322

Delta R.T. 0.035 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

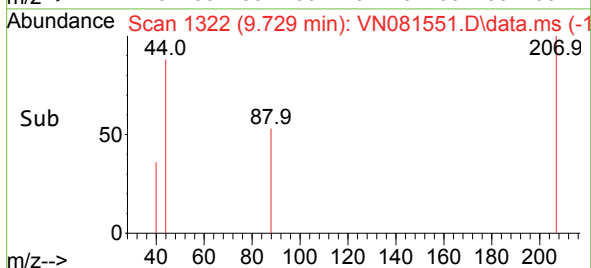
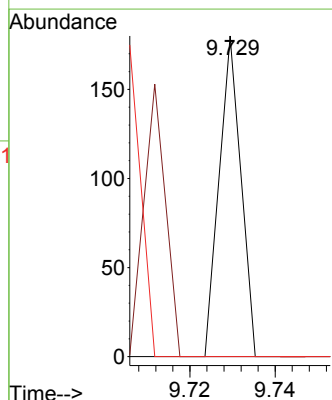
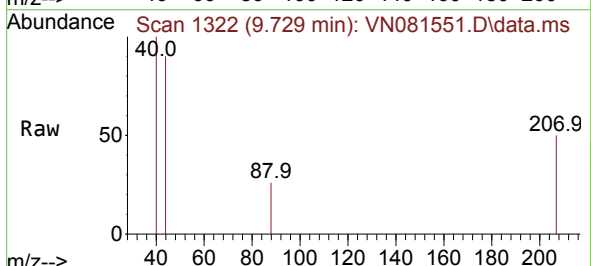
Tgt Ion: 88 Resp: 63

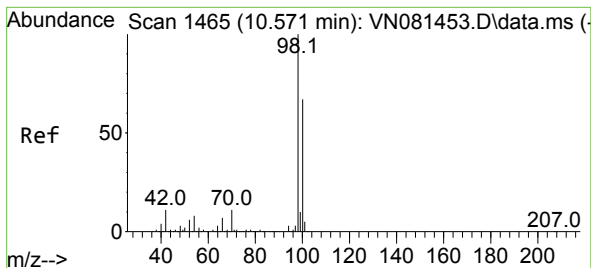
Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#

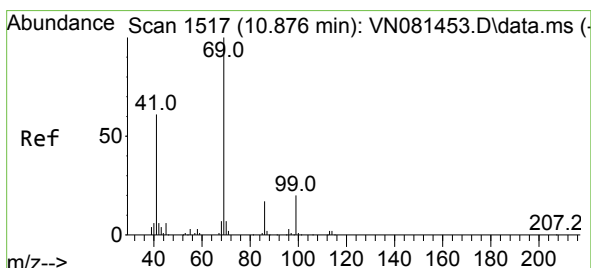
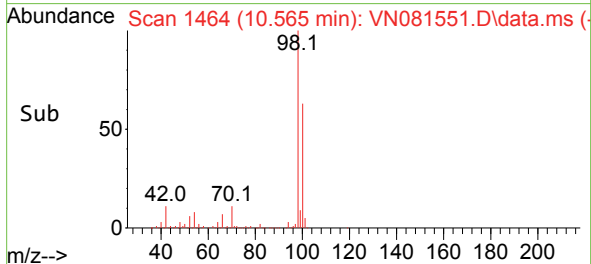
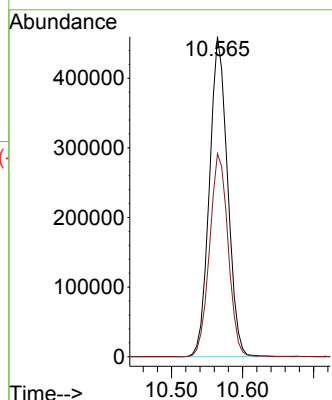
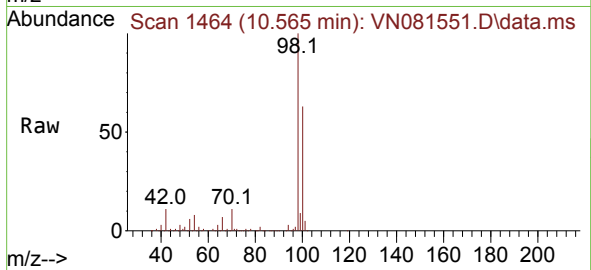




#50
Toluene-d8
Concen: 51.129 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

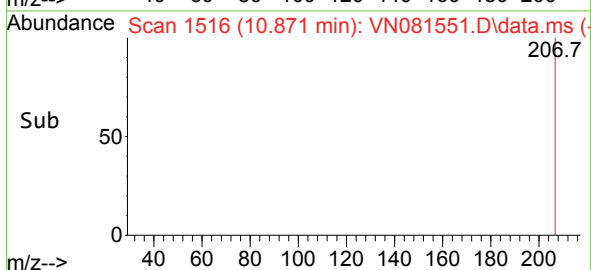
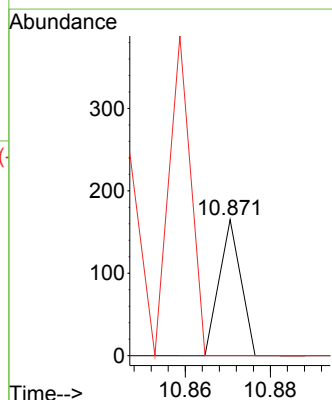
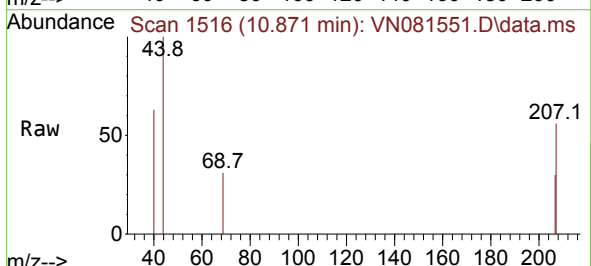
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBL01

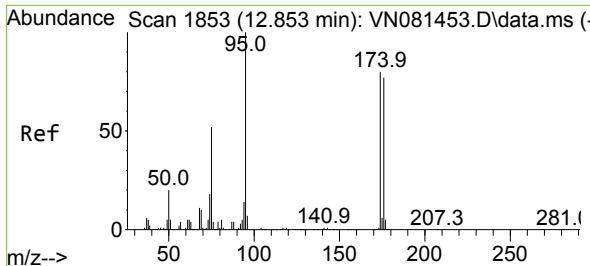
Tgt Ion: 98 Resp: 814010
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#56
Ethyl methacrylate
Concen: 0.578 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.005 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 61.0 91.6#
39 0.0 31.8 47.6#

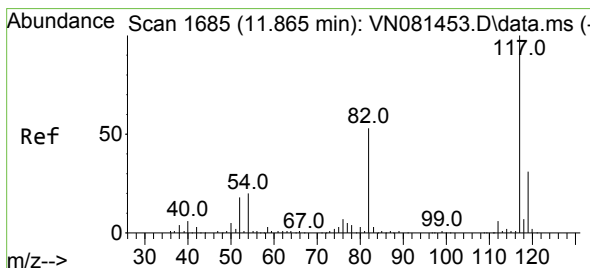
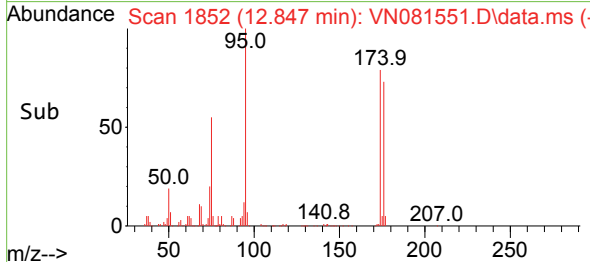
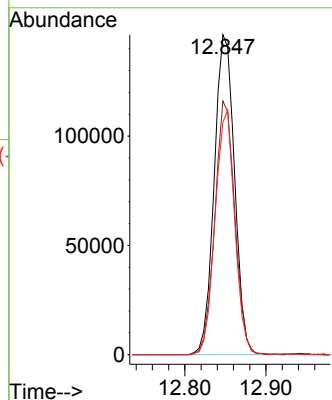
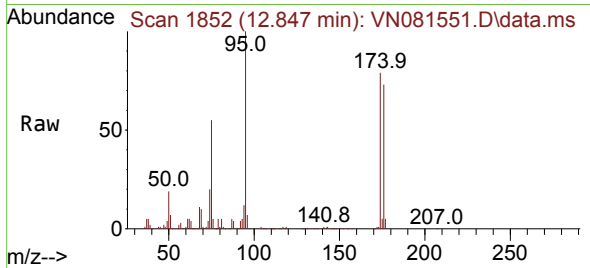




#62
4-Bromofluorobenzene
Concen: 45.308 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

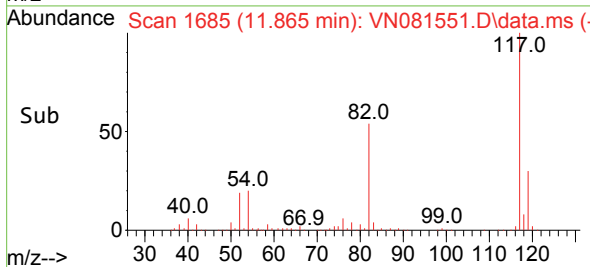
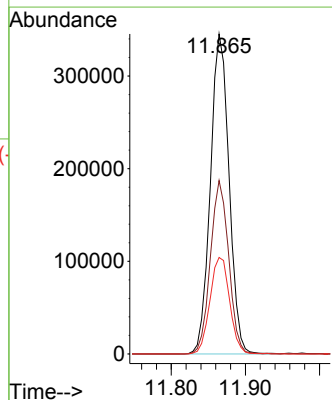
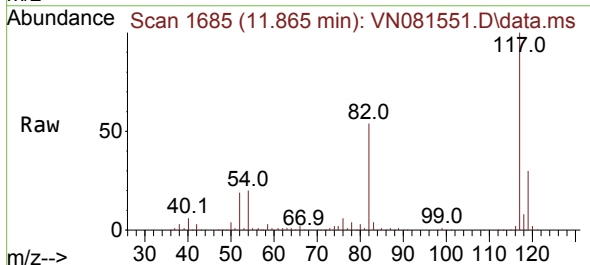
Instrument :
MSVOA_N
ClientSampleId :
VN0325MBL01

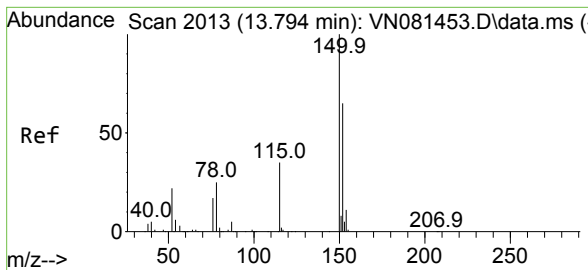
Tgt Ion: 95 Resp: 254168
Ion Ratio Lower Upper
95 100
174 78.4 0.0 120.4
176 74.1 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081551.D
Acq: 25 Mar 2024 10:47

Tgt Ion: 117 Resp: 604198
Ion Ratio Lower Upper
117 100
82 54.2 52.7 79.1
119 30.1 25.3 37.9

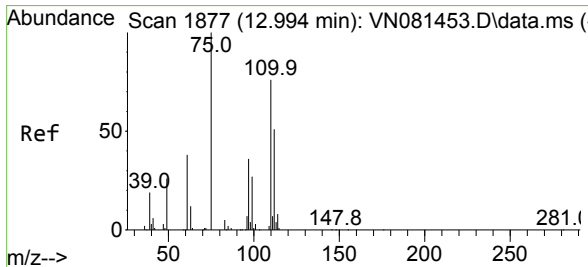
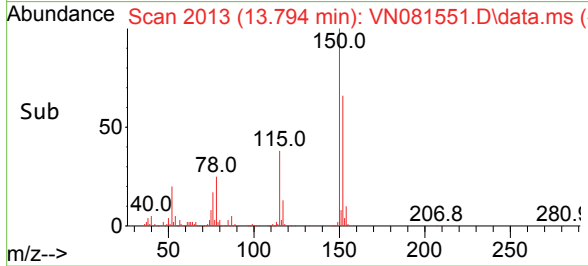
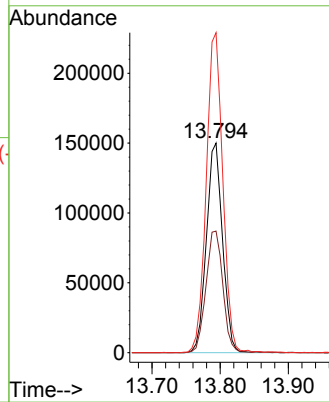
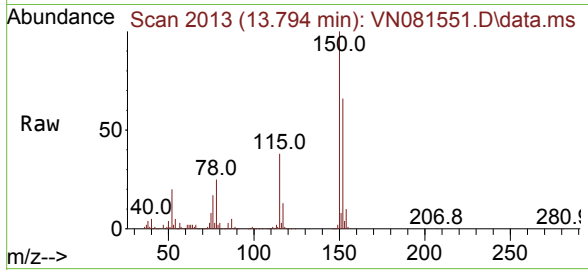




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081551.D
 Acq: 25 Mar 2024 10:47

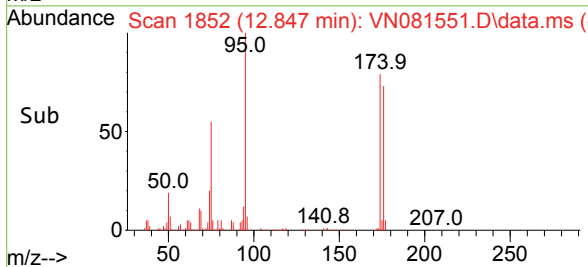
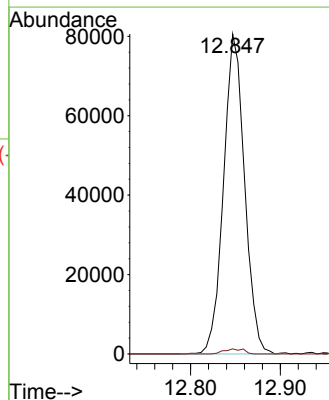
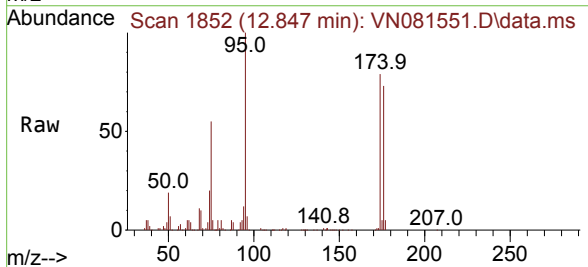
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBL01

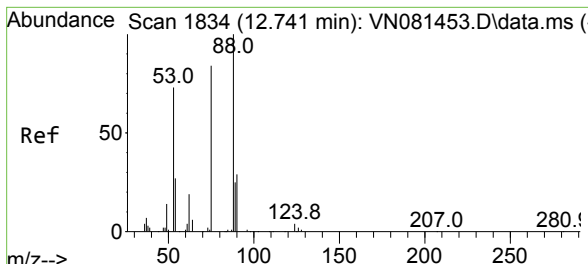
Tgt Ion:	152	Resp:	247356
Ion Ratio	Lower	Upper	
152	100		
115	60.6	32.3	96.8
150	156.1	0.0	339.8



#76
 1,2,3-Trichloropropane
 Concen: 22.162 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081551.D
 Acq: 25 Mar 2024 10:47

Tgt Ion:	75	Resp:	131129
Ion Ratio	Lower	Upper	
75	100		
77	1.5	91.0	272.8#



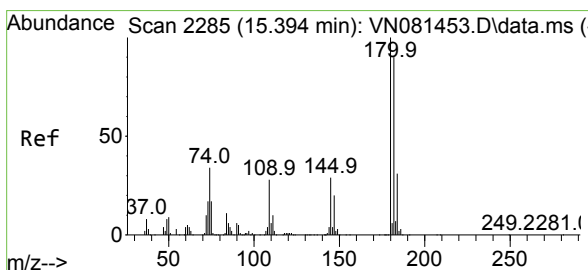
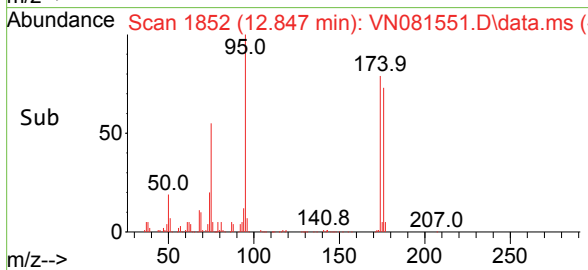
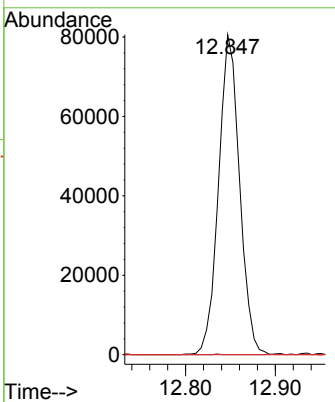
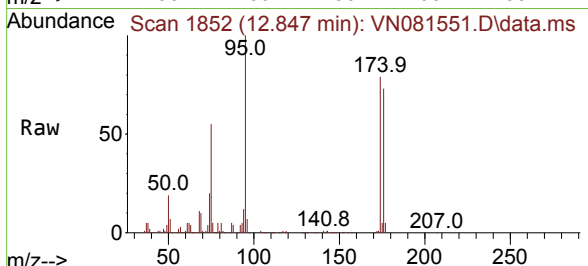


#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.889 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.106 min
 Lab File: VN081551.D
 Acq: 25 Mar 2024 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBL01

Tgt Ion: 75 Resp: 131129

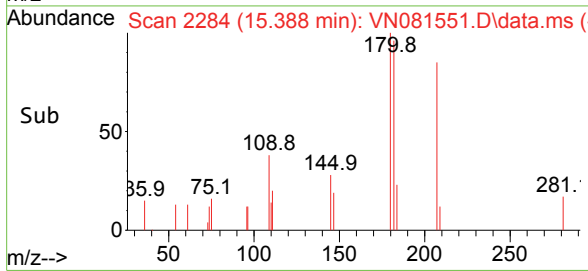
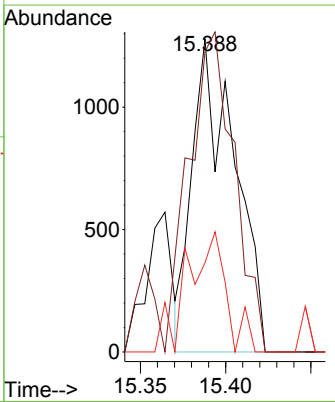
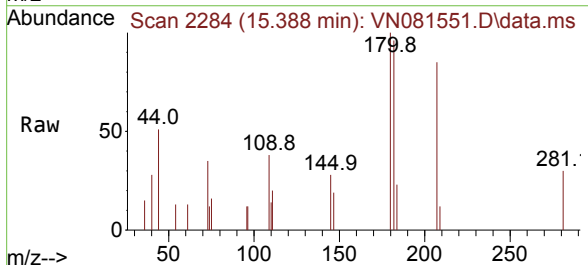
Ion	Ratio	Lower	Upper
75	100		
53	0.1	71.4	107.2#
89	0.0	33.4	50.0#

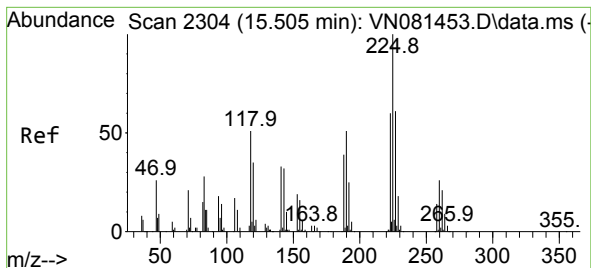


#93
 1,2,4-Trichlorobenzene
 Concen: 0.414 ug/l
 RT: 15.388 min Scan# 2284
 Delta R.T. -0.006 min
 Lab File: VN081551.D
 Acq: 25 Mar 2024 10:47

Tgt Ion: 180 Resp: 2206

Ion	Ratio	Lower	Upper
180	100		
182	110.1	46.6	139.7
145	35.6	16.8	50.3





#94

Hexachlorobutadiene

Concen: 1.057 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN081551.D

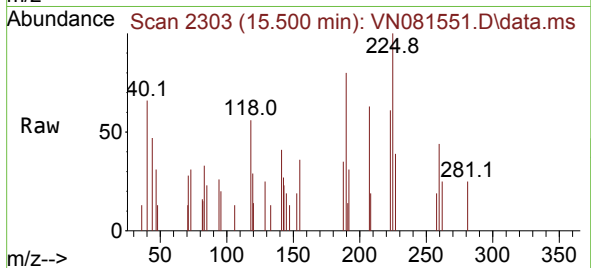
Acq: 25 Mar 2024 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0325MBL01



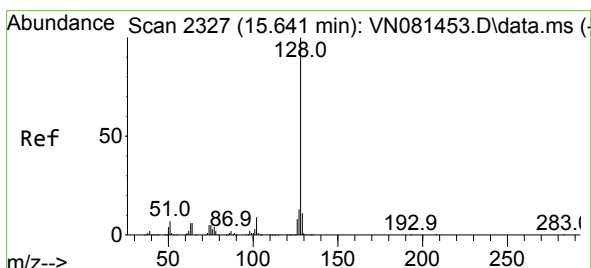
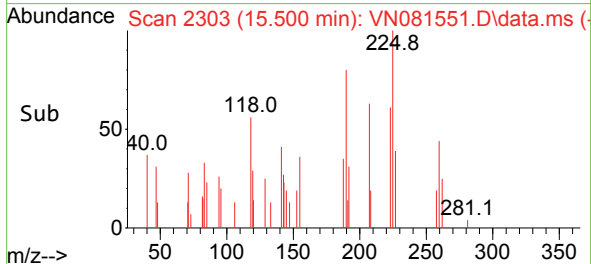
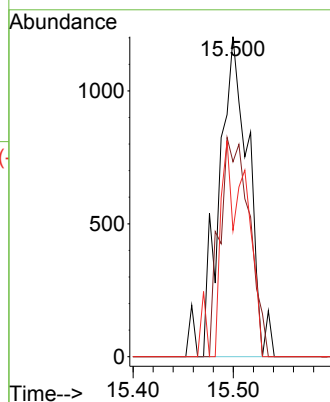
Tgt Ion:225 Resp: 2469

Ion	Ratio	Lower	Upper
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225	100		
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223	68.5	33.3	99.8
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227	30.5	33.1	99.2#
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#95

Naphthalene

Concen: 0.546 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN081551.D

Acq: 25 Mar 2024 10:47

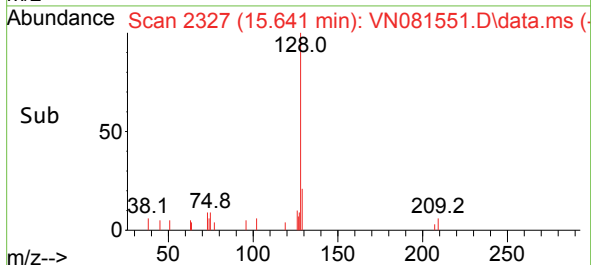
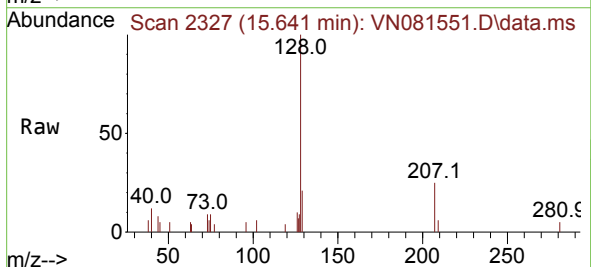
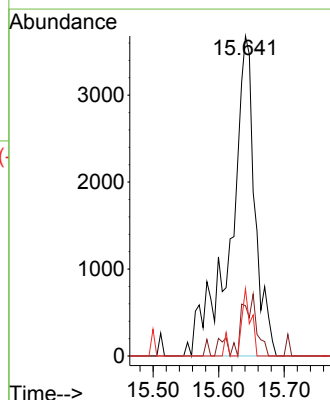
Tgt Ion:128 Resp: 9424

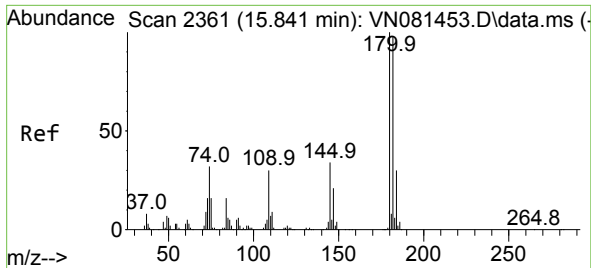
Ion	Ratio	Lower	Upper
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128	100		
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127	11.6	10.0	15.0
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129	7.6	8.7	13.1#
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#96
 1,2,3-Trichlorobenzene
 Concen: 0.676 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081551.D
 Acq: 25 Mar 2024 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325MBL01

Tgt Ion:	180	Resp:	3619
Ion	Ratio	Lower	Upper
180	100		
182	81.0	46.5	139.3
145	29.1	17.8	53.4

