

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031224\
 Data File : VN081382.D
 Acq On : 12 Mar 2024 19:02
 Operator : JC\MD
 Sample : P1734-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1341

Quant Time: Mar 13 04:56:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	314668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	572057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	498657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199840	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	235974	51.865	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.740%	
35) Dibromofluoromethane	8.171	113	179720	51.278	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.571	98	680864	51.967	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.940%	
62) 4-Bromofluorobenzene	12.853	95	219551	47.412	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 94.820%	

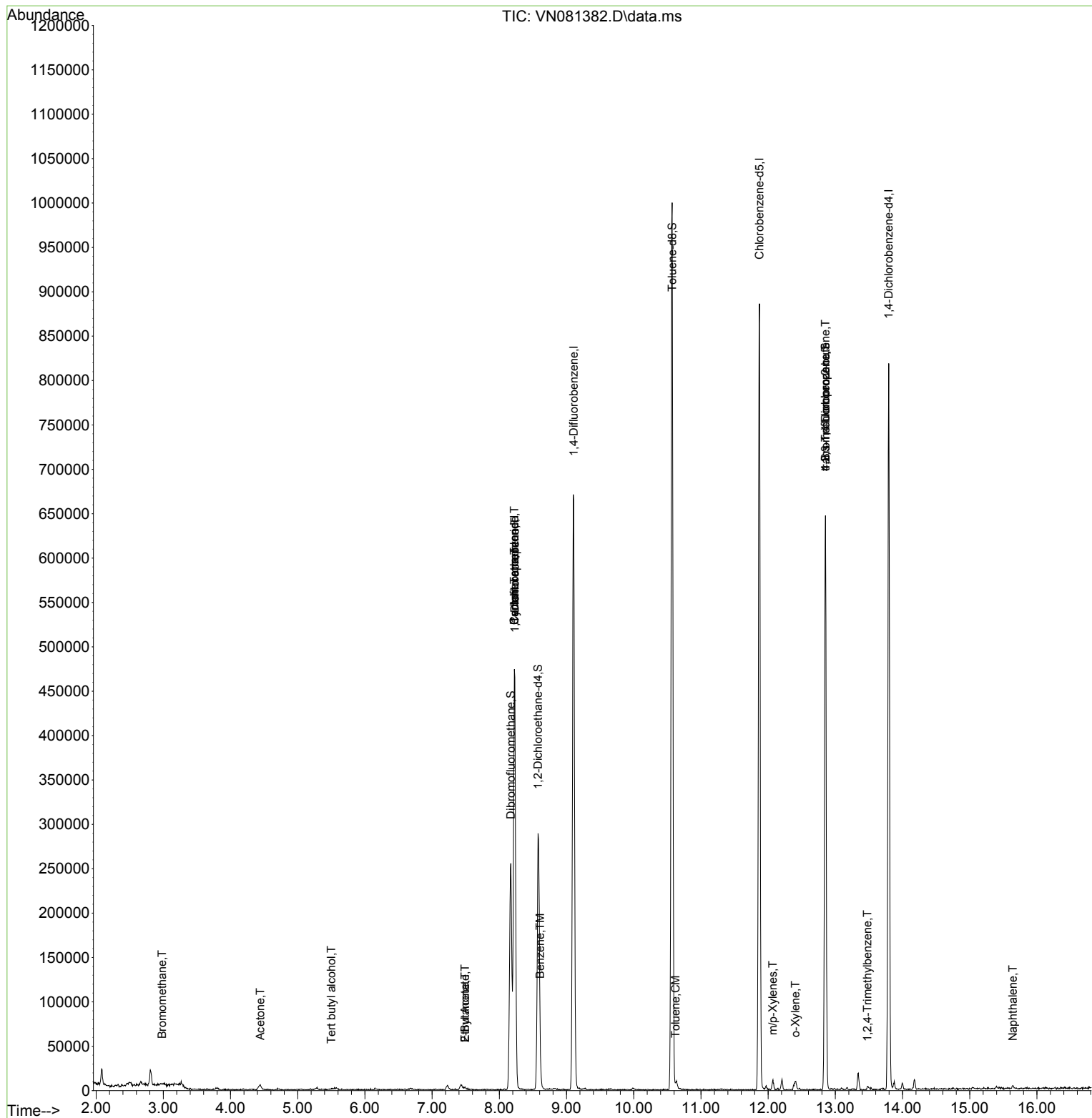
Target Compounds			Qvalue			
5) Bromomethane	2.983	94	748	0.238	ug/l	95
11) Tert butyl alcohol	5.500	59	610	0.767	ug/l #	72
16) Acetone	4.442	43	9987	6.195	ug/l	95
20) Methylene Chloride	5.277	84	739	Below Cal	#	61
25) 2-Butanone	7.489	43	4146	1.536	ug/l	100
31) Cyclohexane	8.224	56	8754	1.271	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	30750	5.438	ug/l #	50
37) Ethyl Acetate	7.489	43	4146	0.750	ug/l #	70
38) Carbon Tetrachloride	8.224	117	35404	6.221	ug/l #	17
40) Benzene	8.606	78	6481	0.384	ug/l	96
52) Toluene	10.624	92	3866	0.379	ug/l	95
68) m/p-Xylenes	12.071	106	3956	0.555	ug/l	74
69) o-Xylene	12.406	106	1544	0.224	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	124107	26.293	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	124107	73.379	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.476	105	3218	0.238	ug/l	98
95) Naphthalene	15.641	128	3742	0.284	ug/l #	92

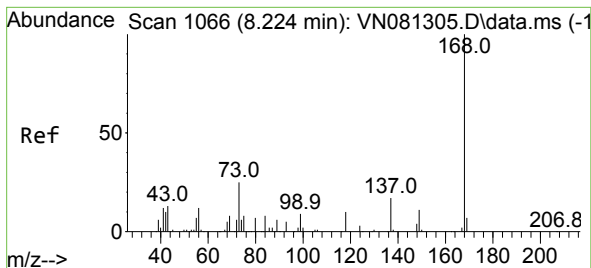
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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1341

Quant Time: Mar 13 04:56:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 06 03:12:57 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081382.D

Acq: 12 Mar 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

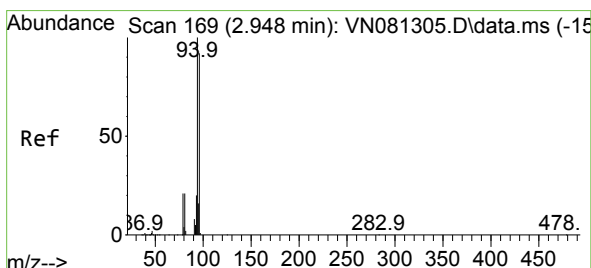
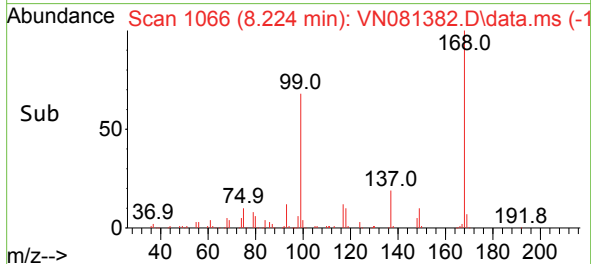
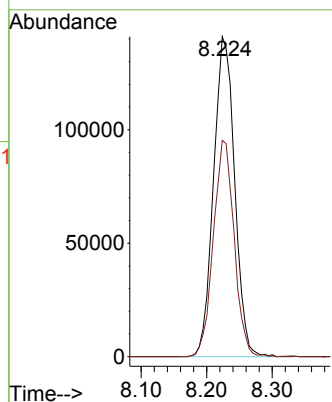
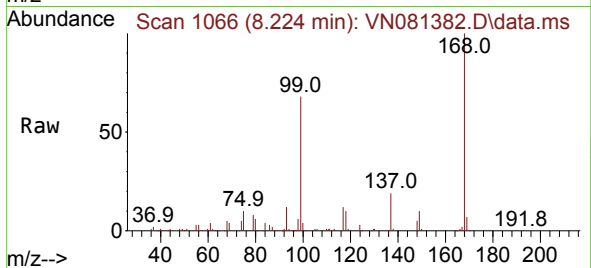
1341

Tgt Ion:168 Resp: 314668

Ion Ratio Lower Upper

168 100

99 67.6 59.9 89.9



#5

Bromomethane

Concen: 0.238 ug/l

RT: 2.983 min Scan# 175

Delta R.T. 0.035 min

Lab File: VN081382.D

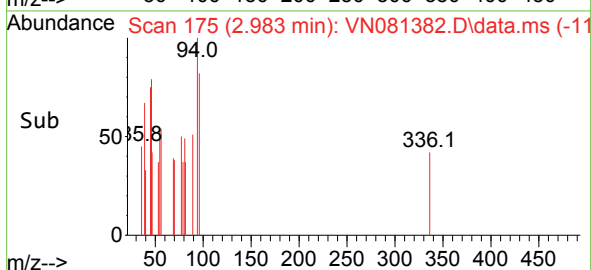
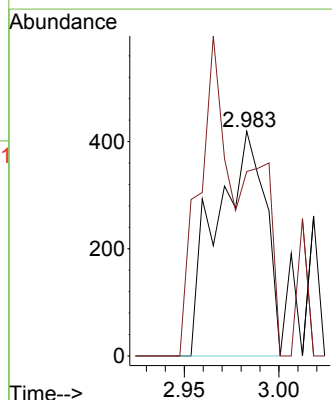
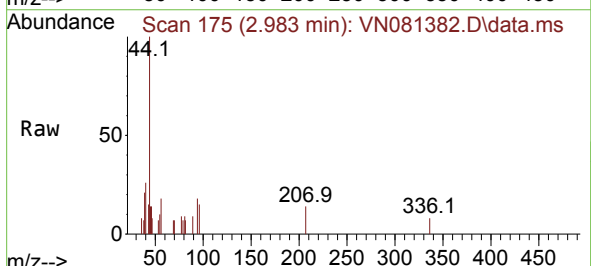
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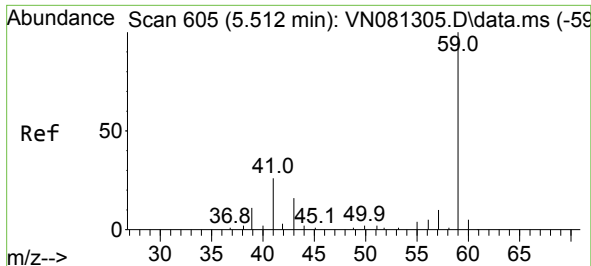
Tgt Ion: 94 Resp: 748

Ion Ratio Lower Upper

94 100

96 82.1 69.2 103.8

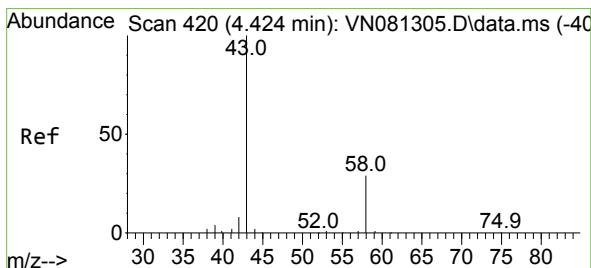
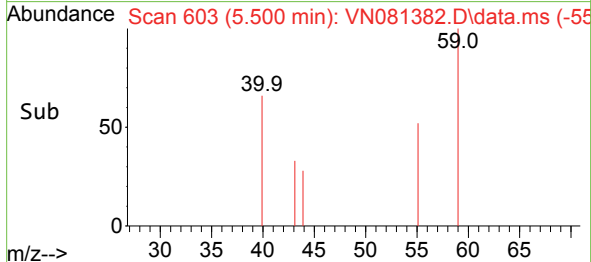
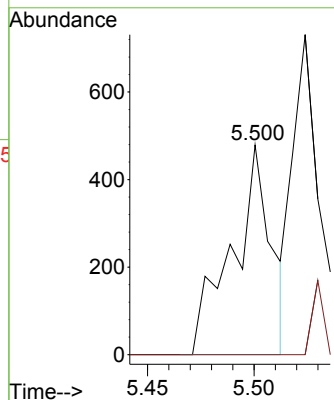
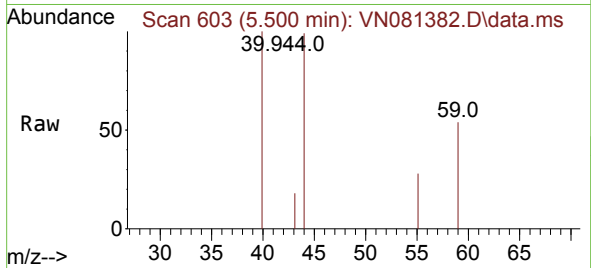




#11
Tert butyl alcohol
Concen: 0.767 ug/l
RT: 5.500 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

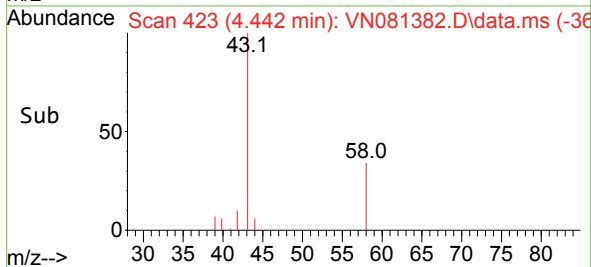
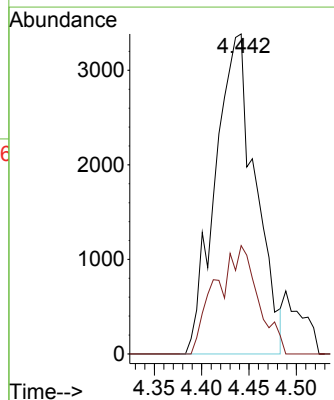
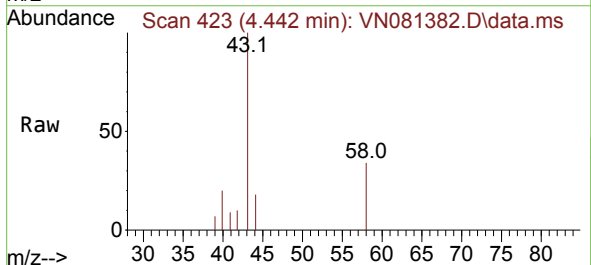
Instrument :
MSVOA_N
ClientSampleId :
1341

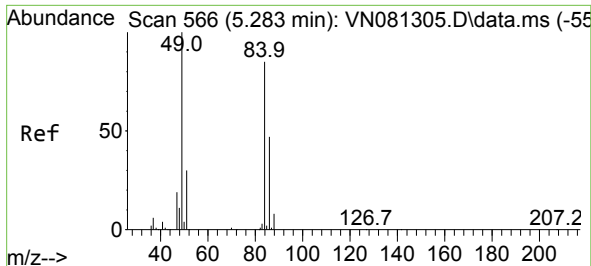
Tgt Ion: 59 Resp: 610
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 6.195 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Tgt Ion: 43 Resp: 9987
Ion Ratio Lower Upper
43 100
58 33.8 24.8 37.2





#20

Methylene Chloride

Concen: Below Cal

RT: 5.277 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN081382.D

Acq: 12 Mar 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

1341

Tgt Ion: 84 Resp: 739

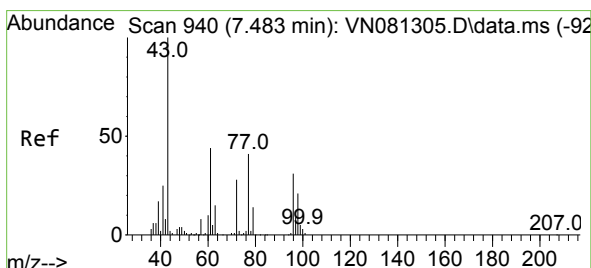
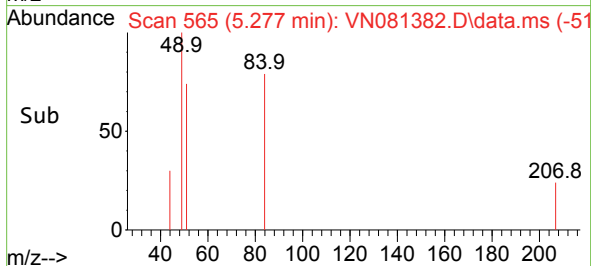
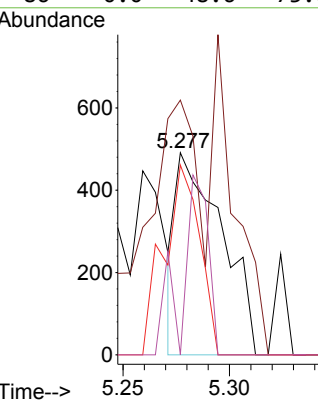
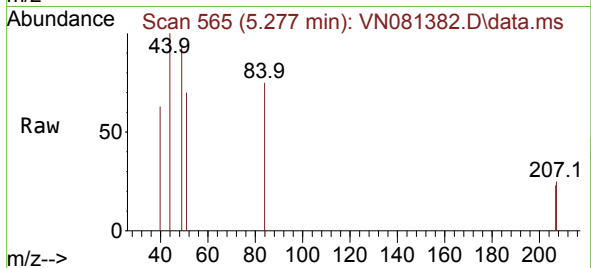
Ion Ratio Lower Upper

84 100

49 126.1 108.1 162.1

51 93.9 32.9 49.3#

86 0.0 48.6 73.0#



#25

2-Butanone

Concen: 1.536 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN081382.D

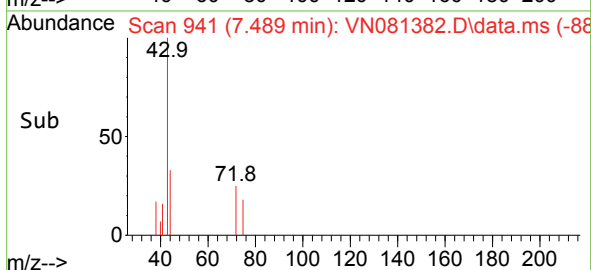
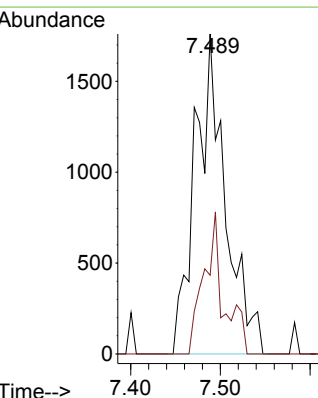
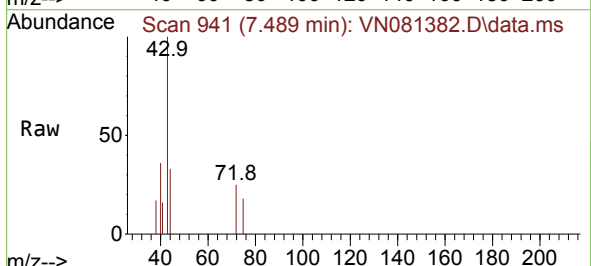
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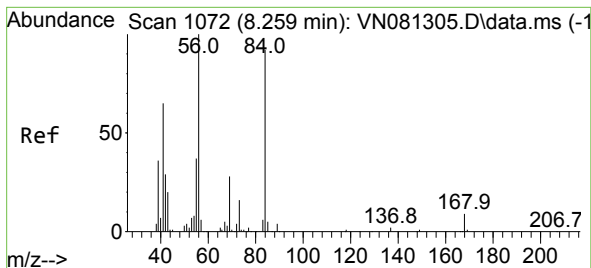
Tgt Ion: 43 Resp: 4146

Ion Ratio Lower Upper

43 100

72 24.6 19.5 29.3





#31

Cyclohexane

Concen: 1.271 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN081382.D

Acq: 12 Mar 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

1341

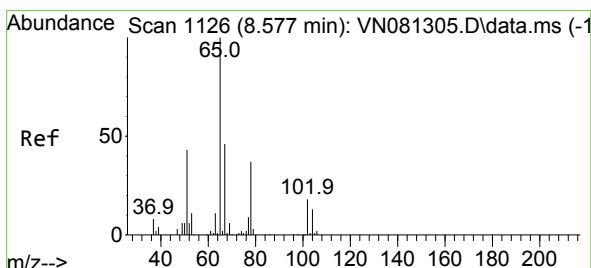
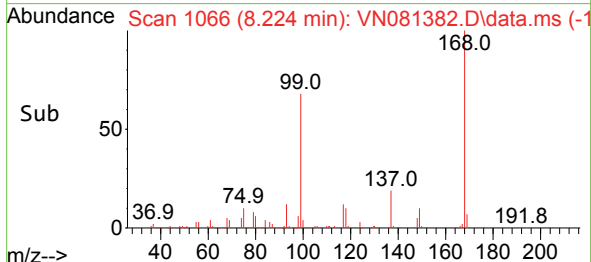
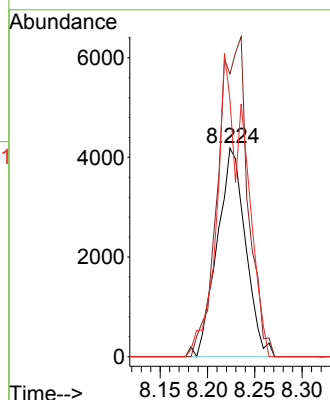
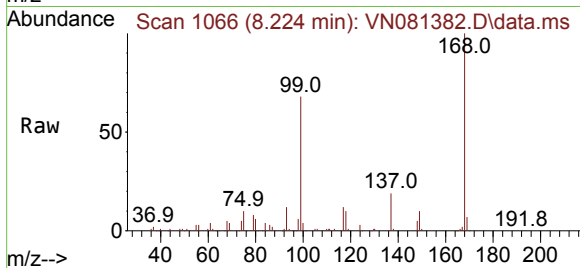
Tgt Ion: 56 Resp: 8754

Ion Ratio Lower Upper

56 100

69 135.7 20.1 30.1#

84 123.2 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 51.865 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081382.D

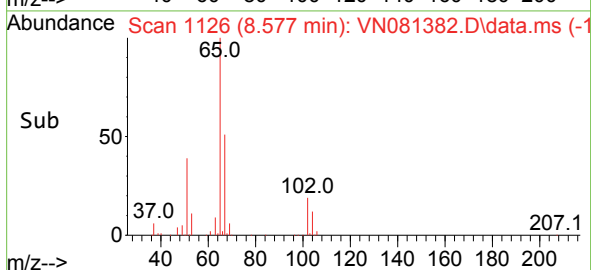
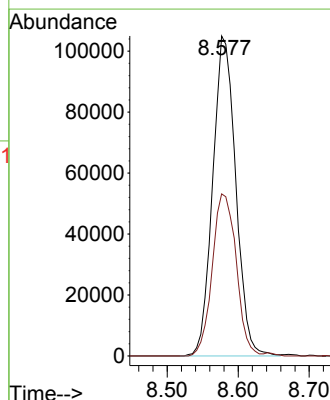
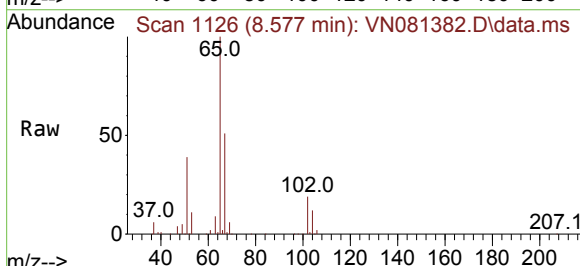
Acq: 12 Mar 2024 19:02

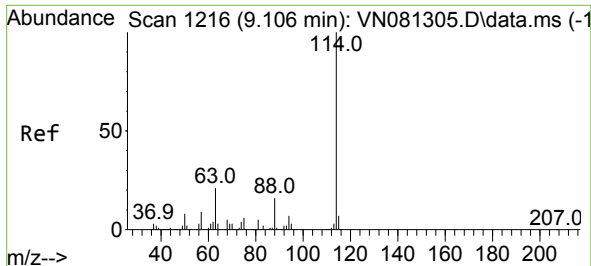
Tgt Ion: 65 Resp: 235974

Ion Ratio Lower Upper

65 100

67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11341

Delta R.T. 0.000 min

Lab File: VN081382.D

Acq: 12 Mar 2024 19:02

Instrument :

MSVOA_N

ClientSampleId :

1341

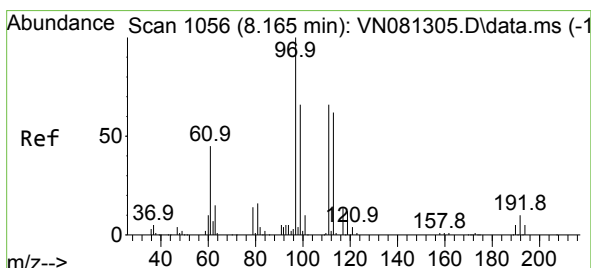
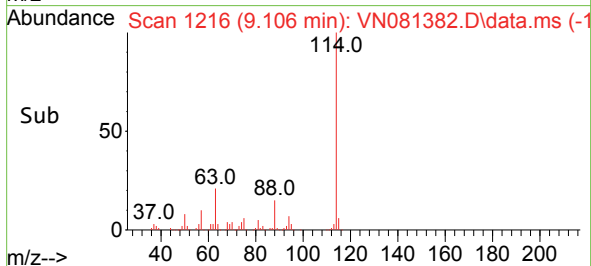
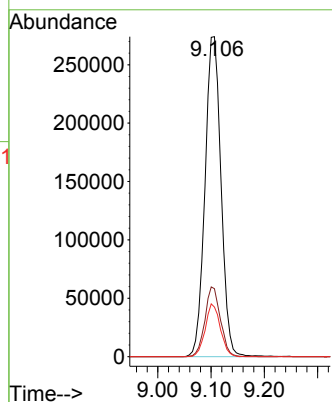
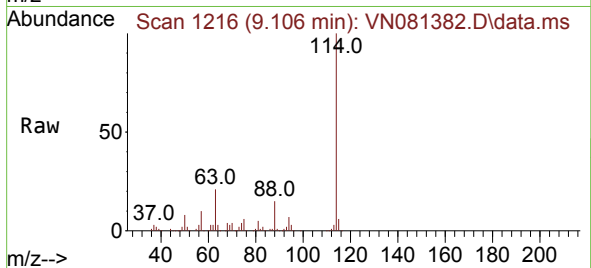
Tgt Ion:114 Resp: 572057

Ion Ratio Lower Upper

114 100

63 21.3 0.0 48.0

88 15.5 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.278 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081382.D

Acq: 12 Mar 2024 19:02

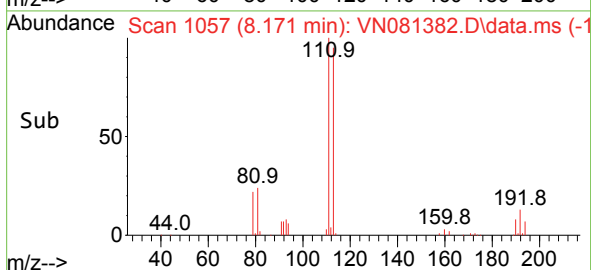
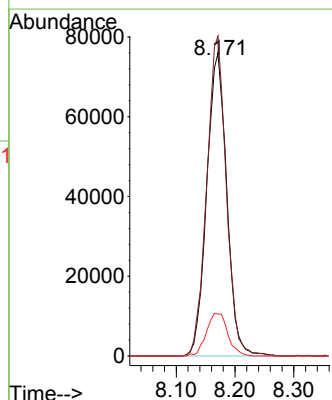
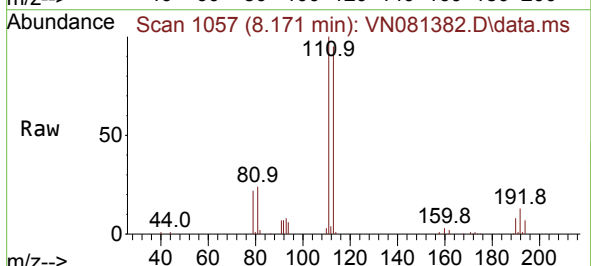
Tgt Ion:113 Resp: 179720

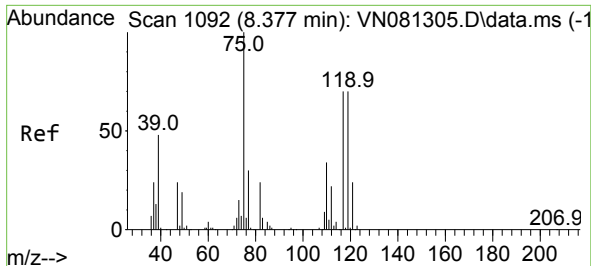
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 15.0 12.5 18.7

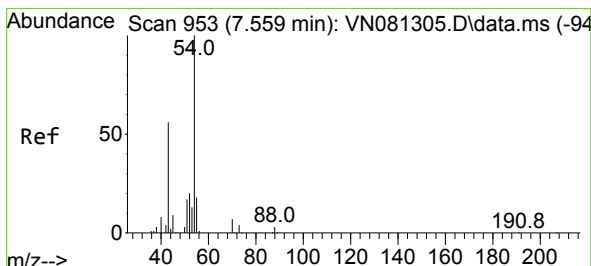
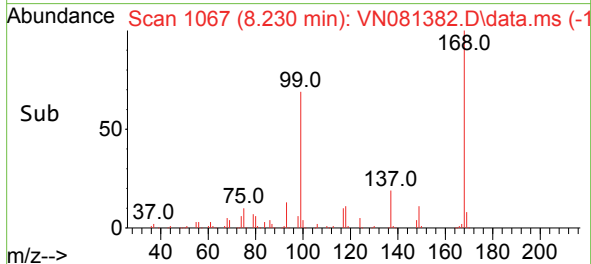
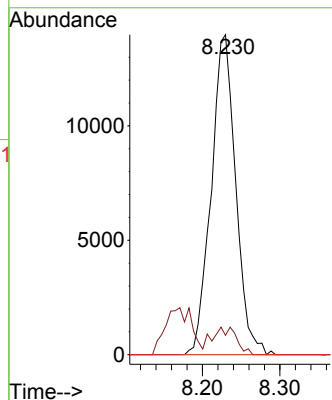
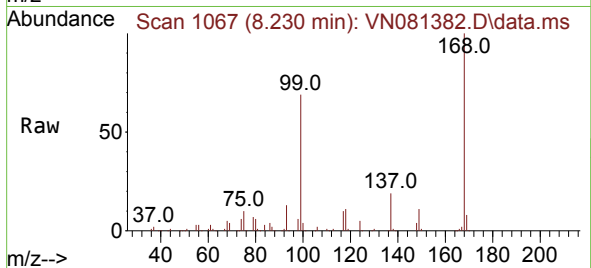




#36
1,1-Dichloropropene
Concen: 5.438 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

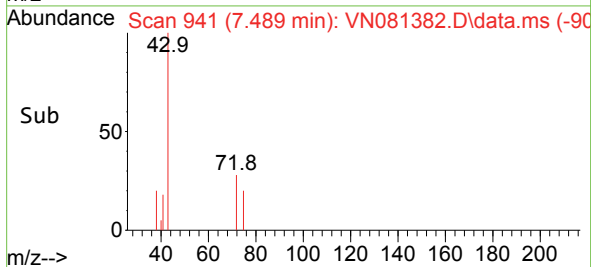
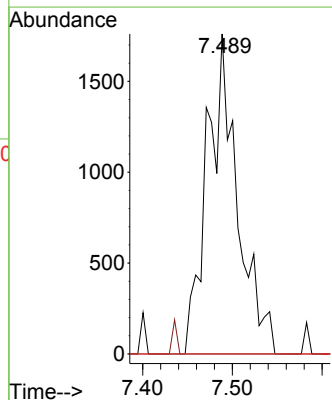
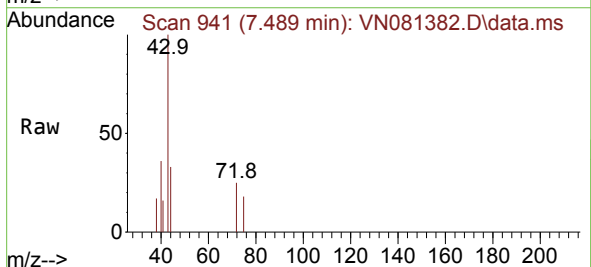
Instrument :
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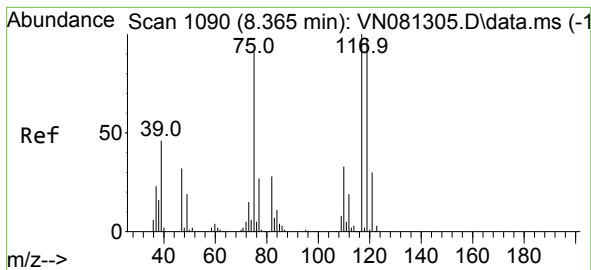
Tgt Ion: 75 Resp: 30750
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 0.750 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.070 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Tgt Ion: 43 Resp: 4146
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.221 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN081382.D

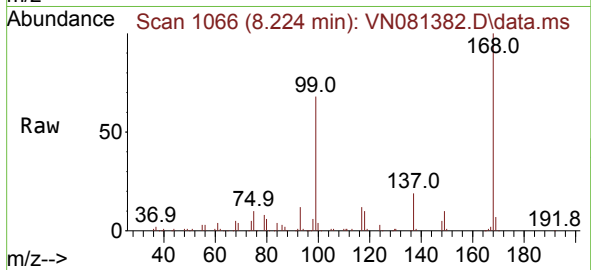
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Instrument :

MSVOA_N

ClientSampleId :

1341



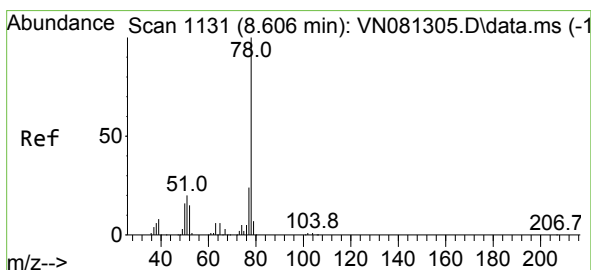
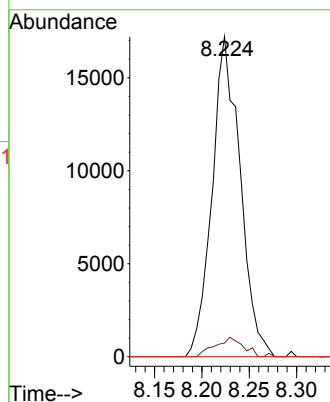
Tgt Ion:117 Resp: 35404

Ion Ratio Lower Upper

117 100

119 4.2 73.4 110.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 0.384 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN081382.D

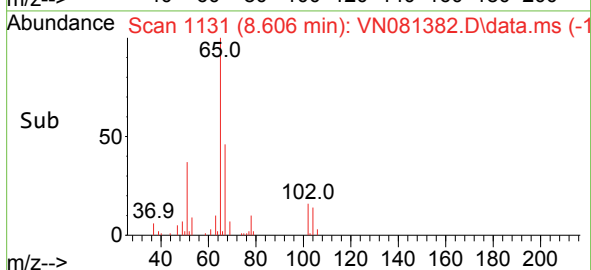
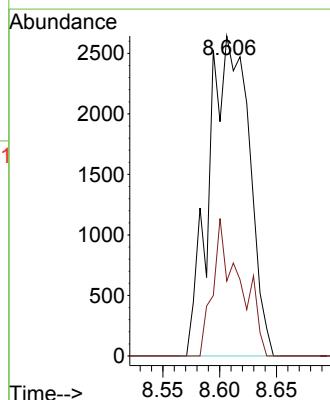
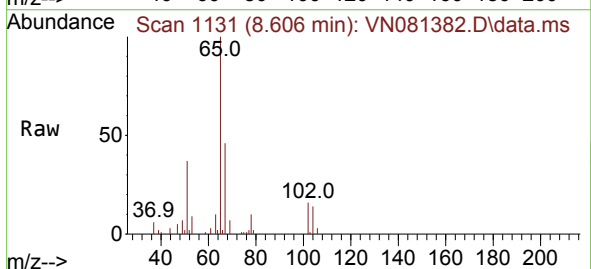
Acq: 12 Mar 2024 19:02

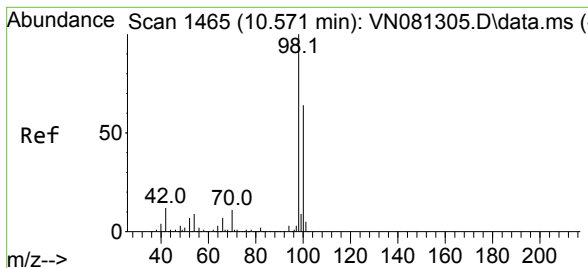
Tgt Ion: 78 Resp: 6481

Ion Ratio Lower Upper

78 100

77 23.4 20.4 30.6

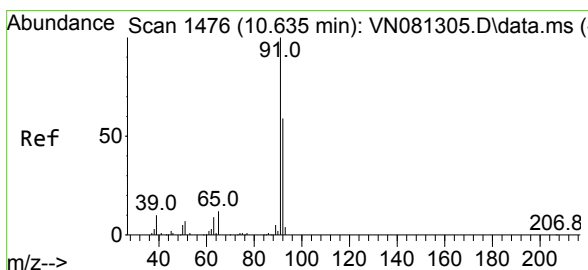
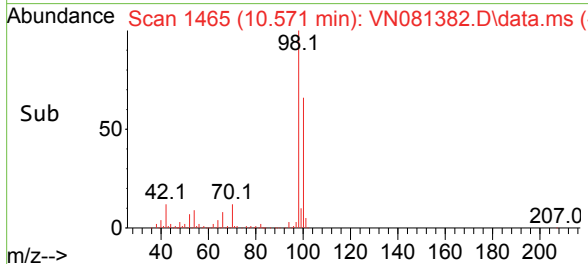
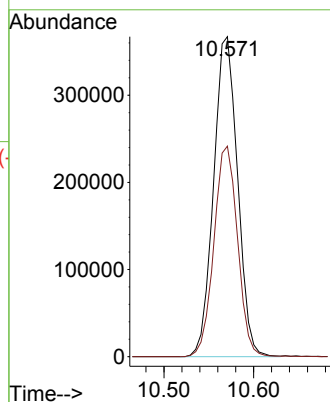
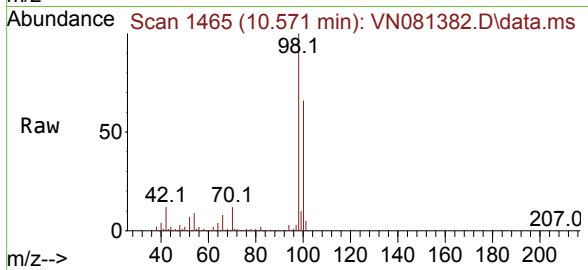




#50
Toluene-d8
Concen: 51.967 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

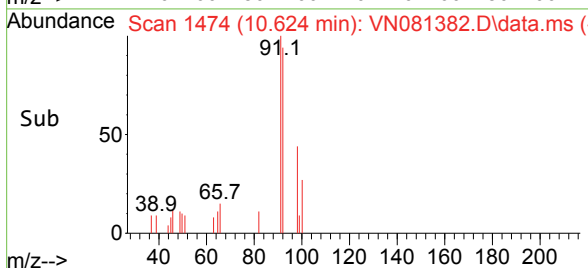
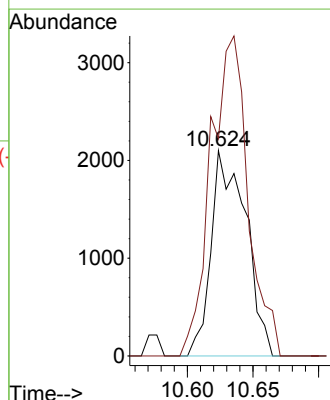
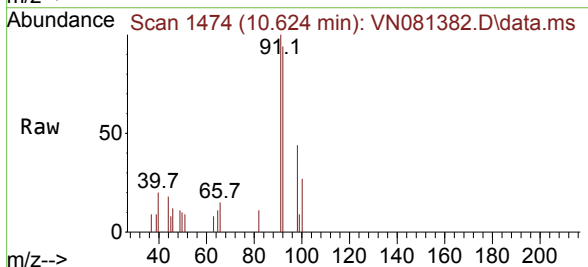
Instrument :
MSVOA_N
ClientSampleId :
1341

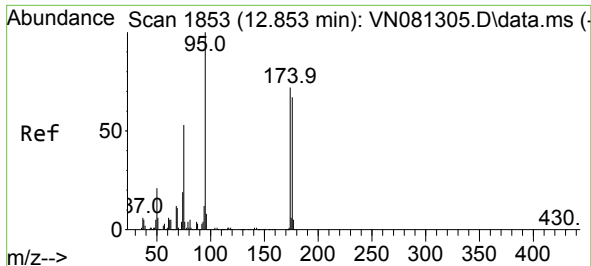
Tgt Ion: 98 Resp: 680864
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.0



#52
Toluene
Concen: 0.379 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.012 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Tgt Ion: 92 Resp: 3866
Ion Ratio Lower Upper
92 100
91 167.5 139.4 209.0

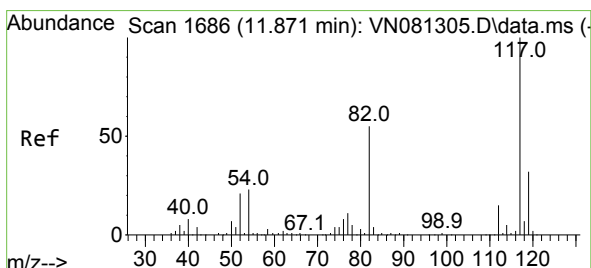
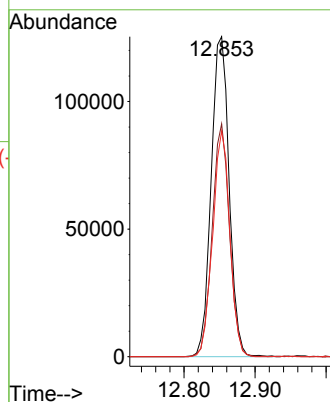
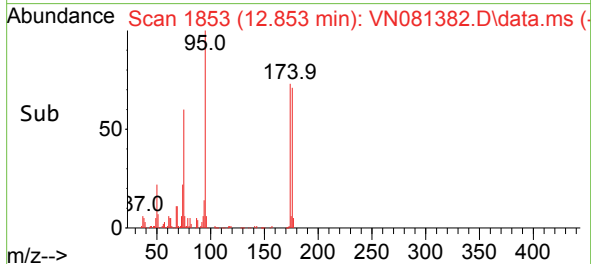
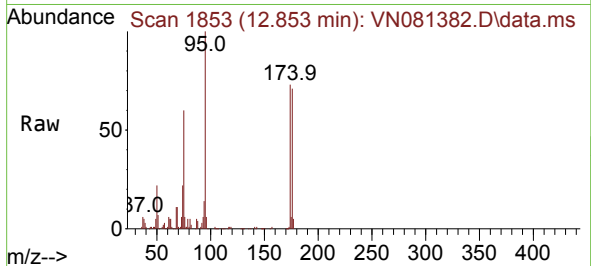




#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

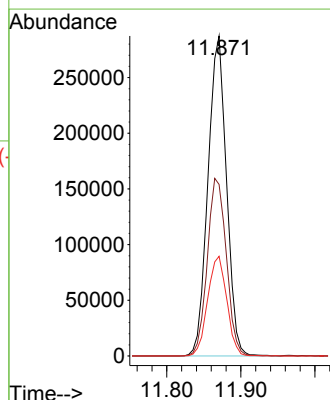
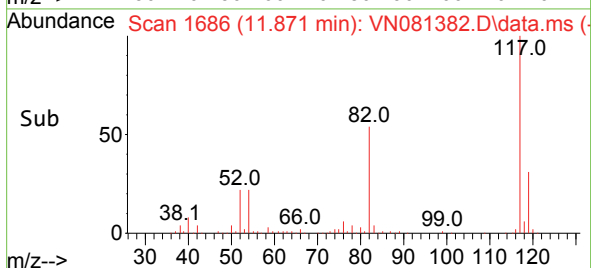
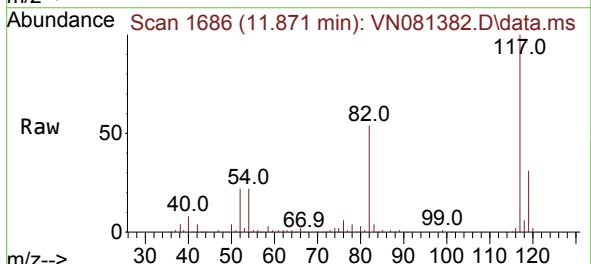
Instrument :
MSVOA_N
ClientSampleId :
1341

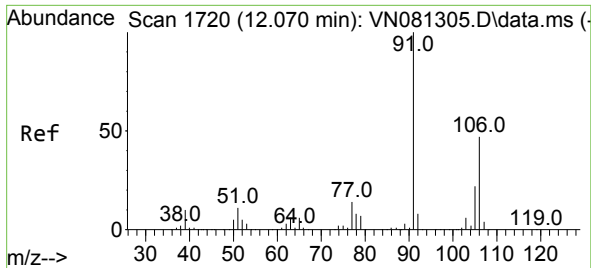
Tgt Ion: 95 Resp: 219551
Ion Ratio Lower Upper
95 100
174 70.0 0.0 120.4
176 67.8 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Tgt Ion: 117 Resp: 498657
Ion Ratio Lower Upper
117 100
82 53.6 52.7 79.1
119 31.1 25.3 37.9

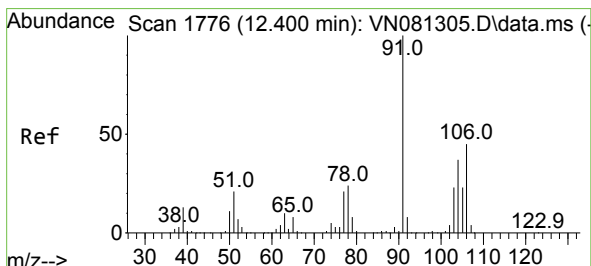
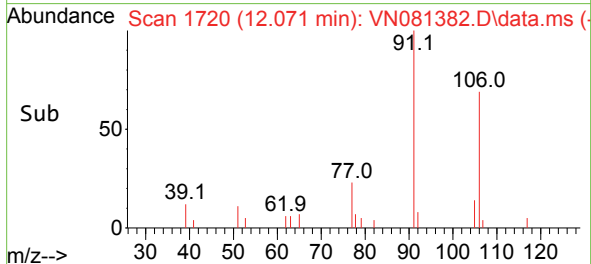
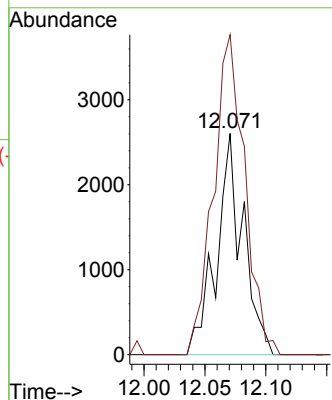
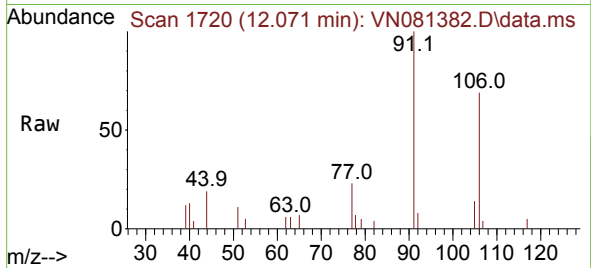




#68
m/p-Xylenes
Concen: 0.555 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

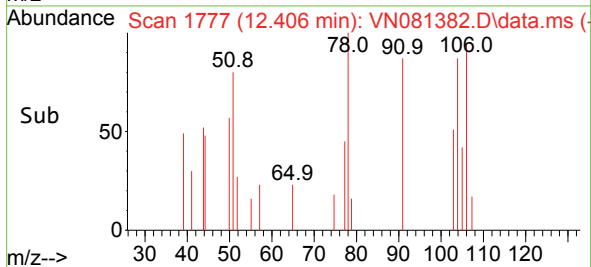
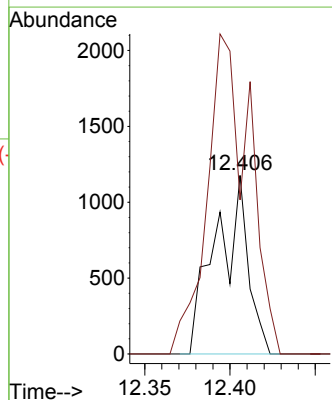
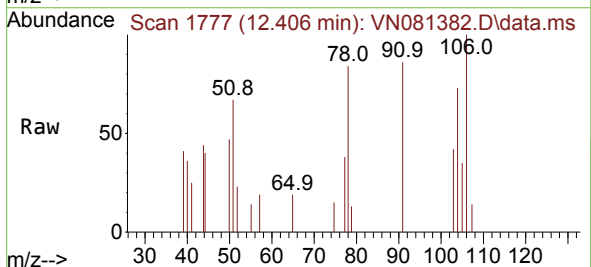
Instrument :
MSVOA_N
ClientSampleId :
1341

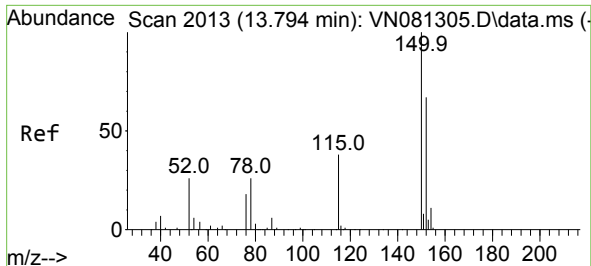
Tgt Ion:106 Resp: 3956
Ion Ratio Lower Upper
106 100
91 170.3 169.0 253.6



#69
o-Xylene
Concen: 0.224 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. 0.006 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Tgt Ion:106 Resp: 1544
Ion Ratio Lower Upper
106 100
91 233.4 112.1 336.3

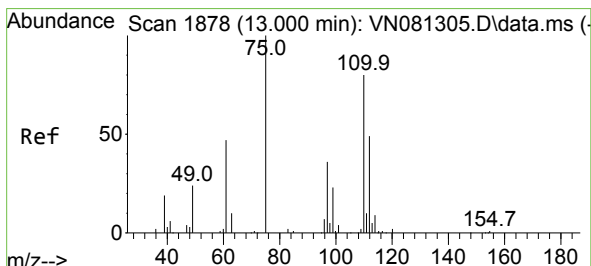
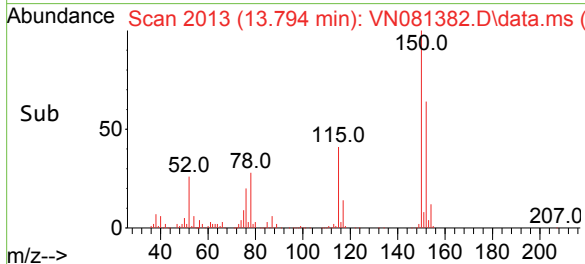
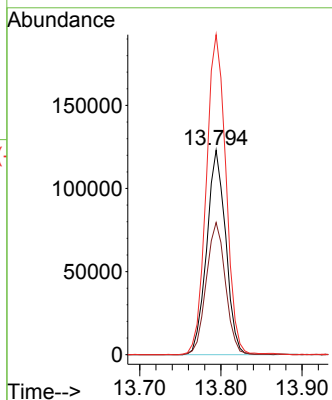
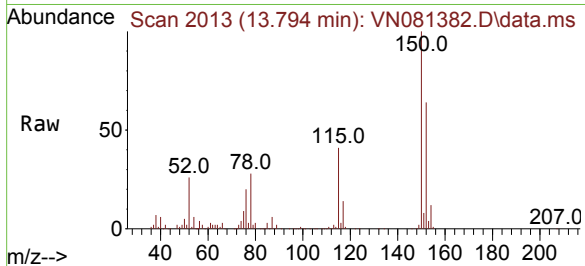




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

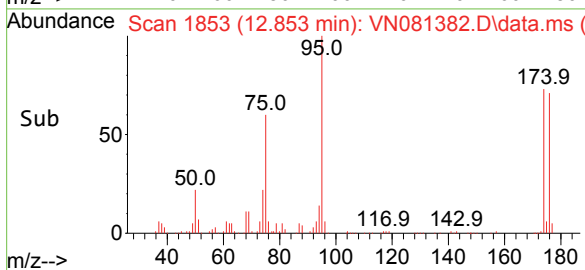
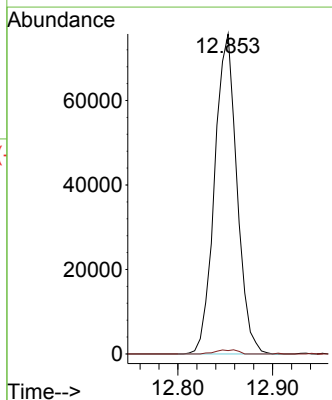
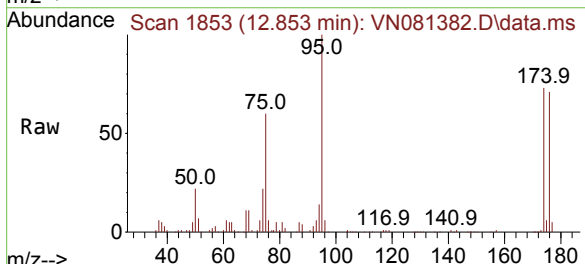
Instrument :
MSVOA_N
ClientSampleId :
1341

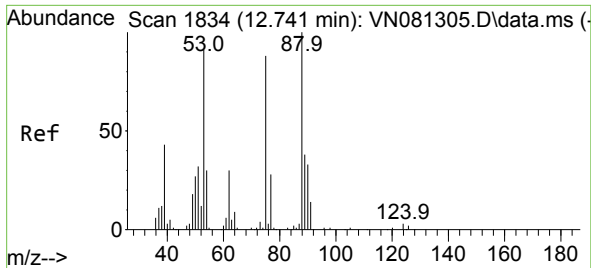
Tgt Ion:152 Resp: 199840
Ion Ratio Lower Upper
152 100
115 65.5 32.3 96.8
150 161.3 0.0 339.8



#76
1,2,3-Trichloropropane
Concen: 26.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

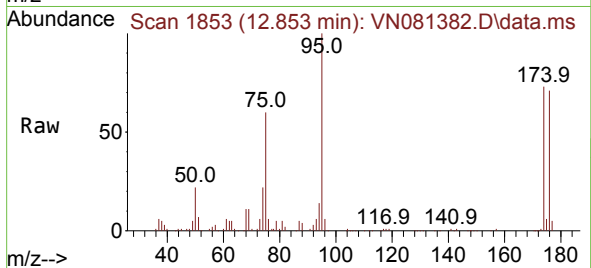
Tgt Ion: 75 Resp: 124107
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



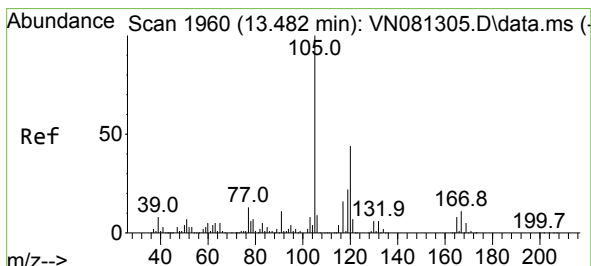
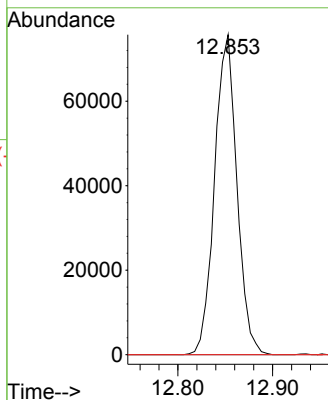
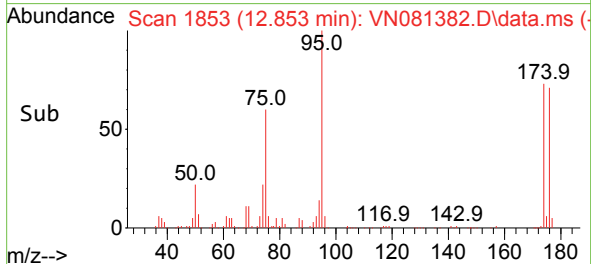


#81
trans-1,4-Dichloro-2-butene
Concen: 73.379 ug/l
RT: 12.853 min Scan# 11341
Delta R.T. 0.112 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

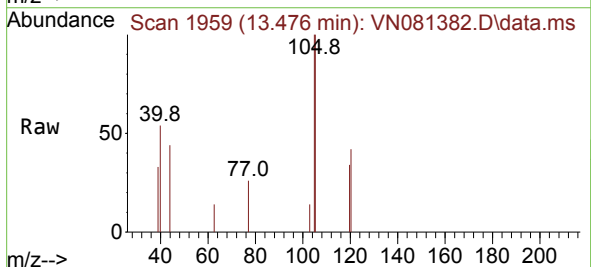
Instrument :
MSVOA_N
ClientSampleId :



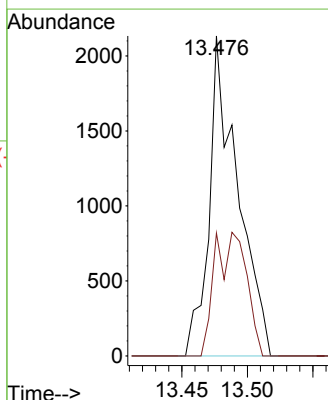
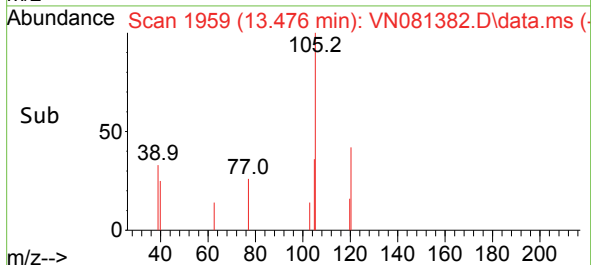
Tgt Ion: 75 Resp: 124107
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#

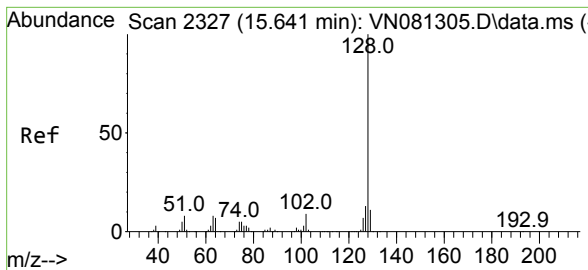


#84
1,2,4-Trimethylbenzene
Concen: 0.238 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02



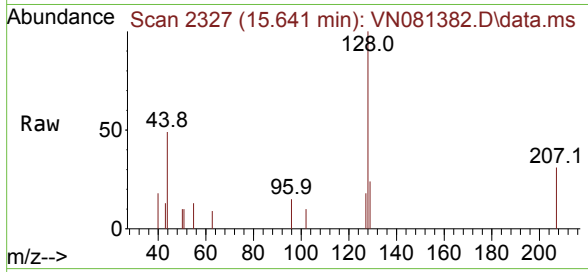
Tgt Ion: 105 Resp: 3218
Ion Ratio Lower Upper
105 100
120 42.8 20.9 62.7





#95
Naphthalene
Concen: 0.284 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081382.D
Acq: 12 Mar 2024 19:02

Instrument :
MSVOA_N
ClientSampleId :
1341



Tgt Ion:	128	Resp:	3742
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.0	15.0#
129	12.4	8.7	13.1

