

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081283.D
 Acq On : 01 Mar 2024 14:20
 Operator : JC\MD
 Sample : PB153949ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#05

Quant Time: Mar 01 22:17:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

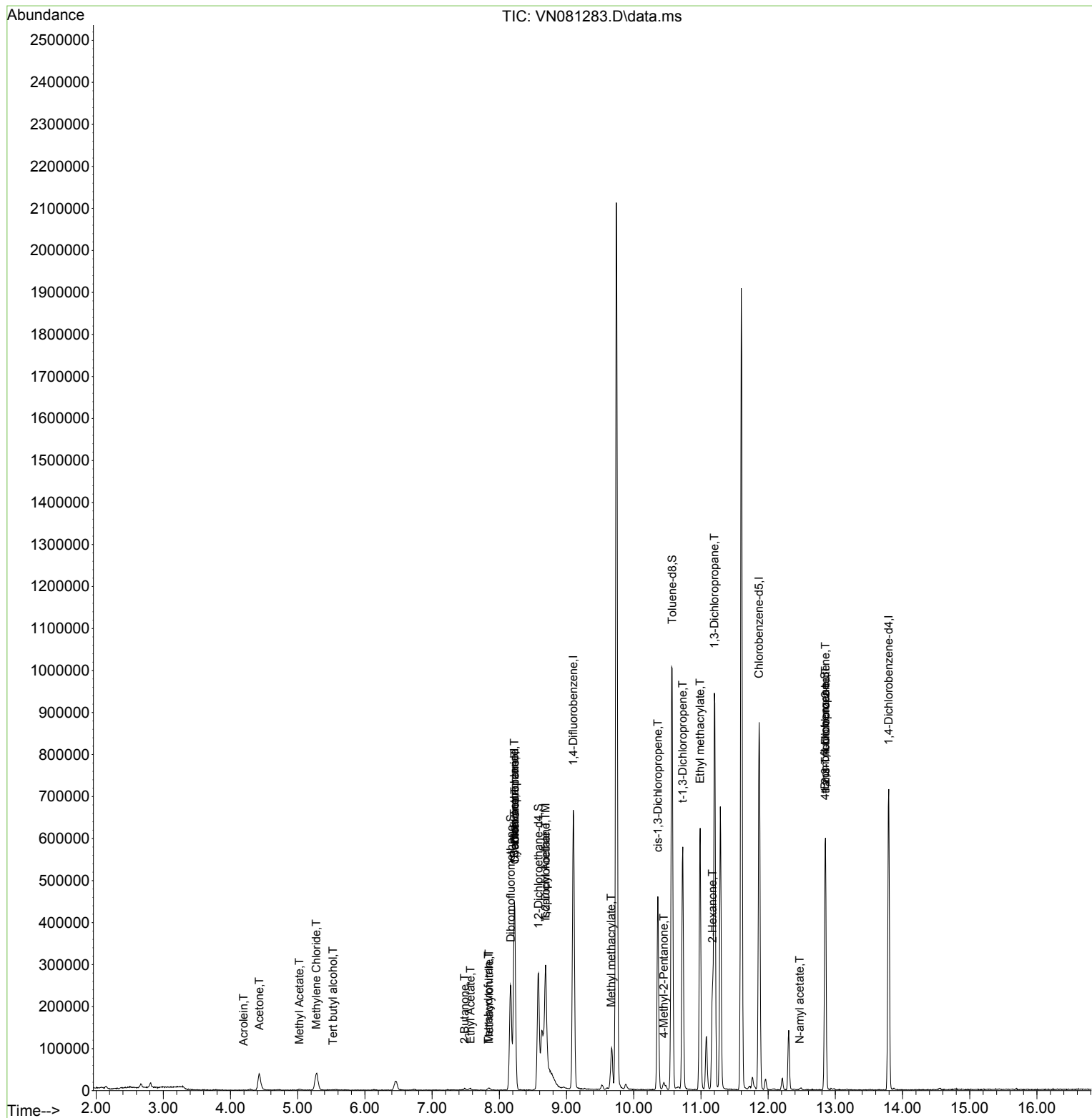
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	308626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	574104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	498163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	224261	59.283	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 118.560%	
35) Dibromofluoromethane	8.171	113	176701	54.430	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.860%	
50) Toluene-d8	10.571	98	694614	60.243	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 120.480%#	
62) 4-Bromofluorobenzene	12.847	95	211789	48.883	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	645	Below Cal	#	83
6) Chloroethane	3.106	64	62	Below Cal	#	42
11) Tert butyl alcohol	5.524	59	1180	1.696	ug/l #	72
13) Acrolein	4.195	56	439	1.177	ug/l #	31
16) Acetone	4.430	43	72914	48.985	ug/l	92
18) Methyl Acetate	5.024	43	2646	0.729	ug/l #	87
20) Methylene Chloride	5.277	84	33941	8.034	ug/l #	81
25) 2-Butanone	7.483	43	6765	2.813	ug/l	90
29) Tetrahydrofuran	7.836	42	1821	1.134	ug/l #	25
31) Cyclohexane	8.230	56	7953	1.218	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28314	5.091	ug/l #	50
37) Ethyl Acetate	7.571	43	6914	1.377	ug/l	95
38) Carbon Tetrachloride	8.224	117	34601	6.149	ug/l #	21
41) Methacrylonitrile	7.847	41	3025	1.059	ug/l #	35
42) 1,2-Dichloroethane	8.688	62	1263	0.225	ug/l #	75
43) Isopropyl Acetate	8.688	43	335944	38.268	ug/l #	85
48) Methyl methacrylate	9.665	41	6132	1.501	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	19624	3.886	ug/l #	76
53) t-1,3-Dichloropropene	10.730	75	1308	0.212	ug/l #	77
54) cis-1,3-Dichloropropene	10.359	75	79020	11.844	ug/l #	67
56) Ethyl methacrylate	10.988	69	2813	0.470	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10180	1.502	ug/l #	43
59) 2-Hexanone	11.171	43	191354	47.795	ug/l #	26
74) N-amyl acetate	12.471	43	3638	0.549	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	111975	27.514	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	111975	70.819	ug/l #	14

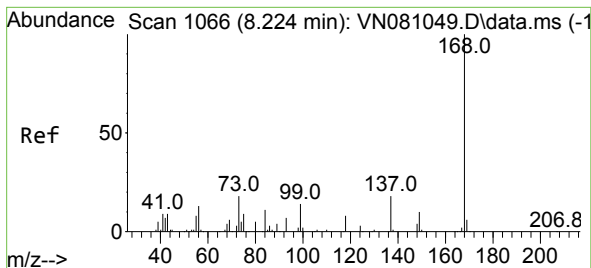
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 16 23:45:20 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

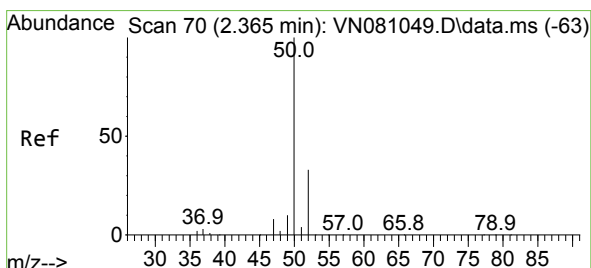
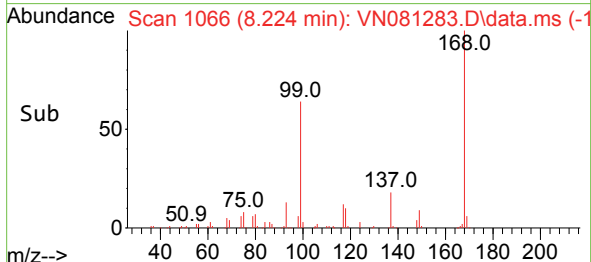
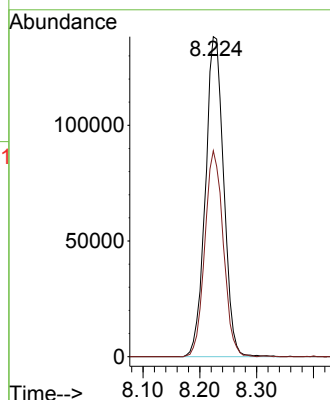
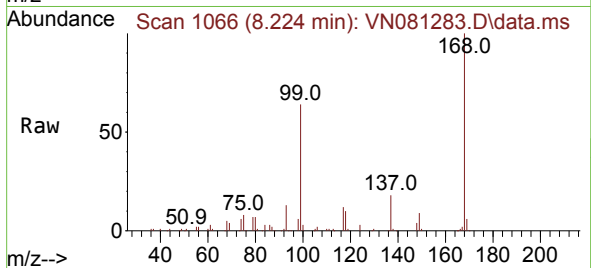
PB153949ZHE#05

Tgt Ion:168 Resp: 308626

Ion Ratio Lower Upper

168 100

99 64.3 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081283.D

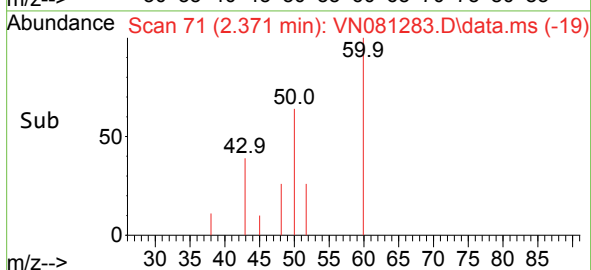
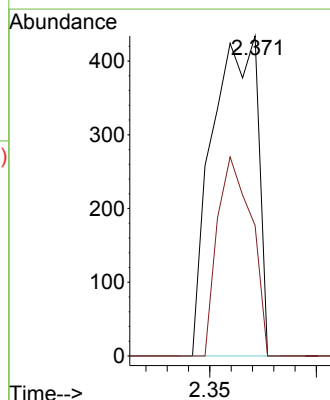
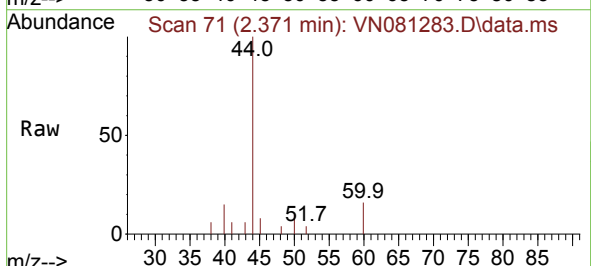
Acq: 01 Mar 2024 14:20

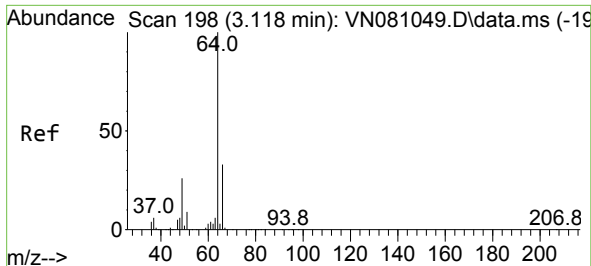
Tgt Ion: 50 Resp: 645

Ion Ratio Lower Upper

50 100

52 40.8 25.0 37.4#

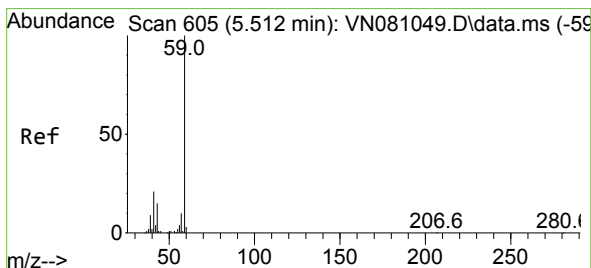
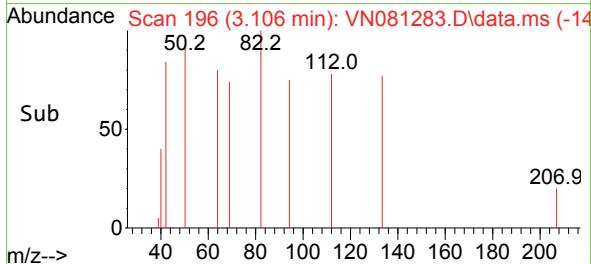
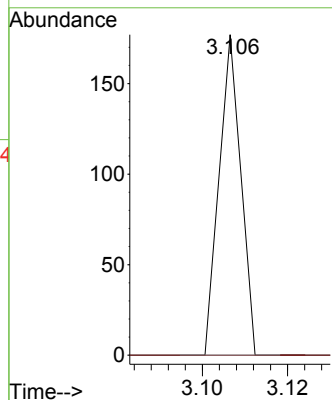
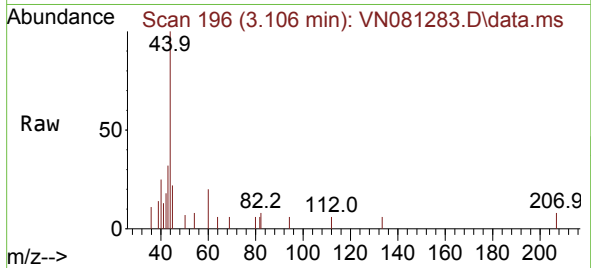




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

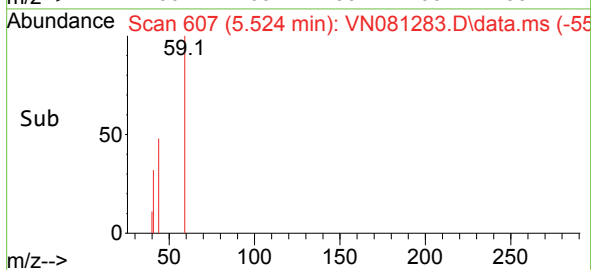
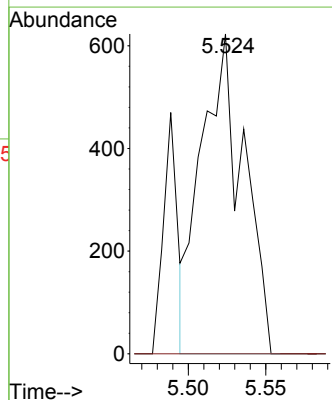
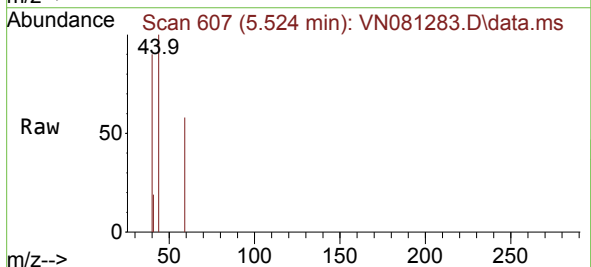
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

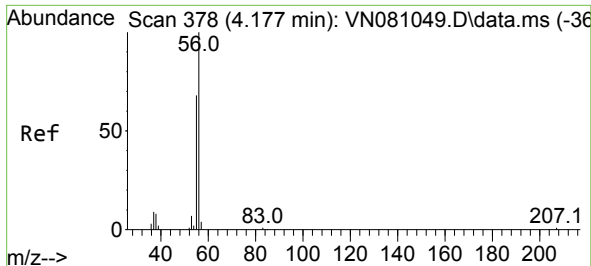
Tgt Ion: 64 Resp: 62
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.696 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 59 Resp: 1180
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

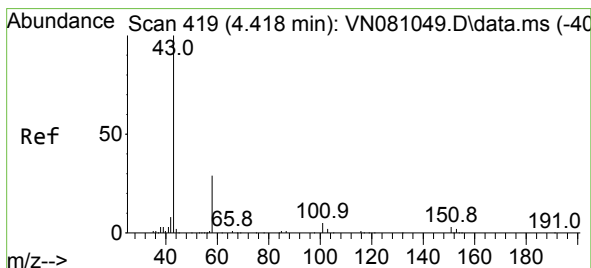
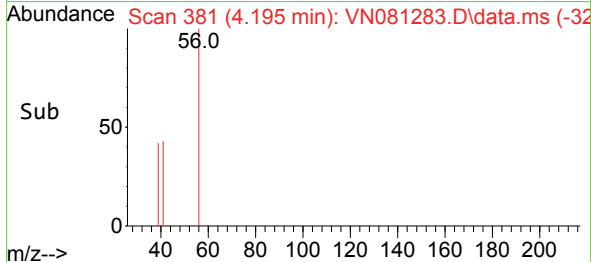
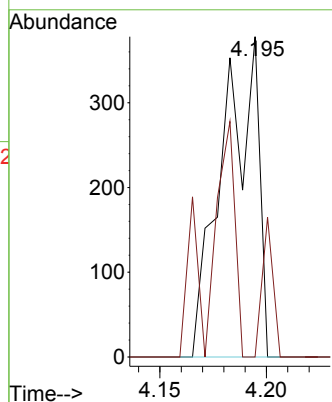
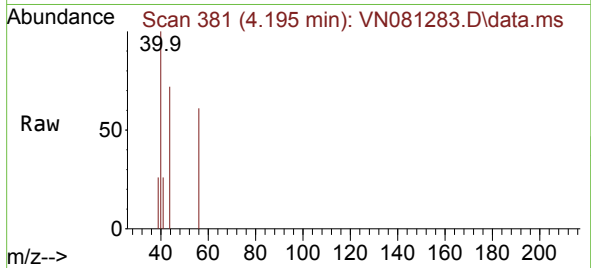




#13
Acrolein
Concen: 1.177 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

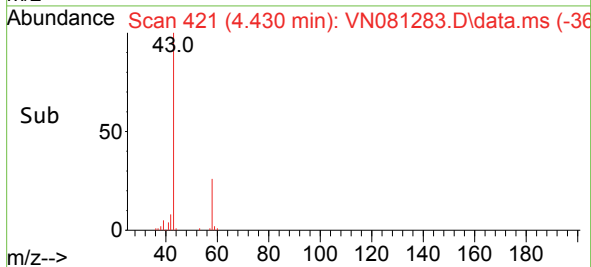
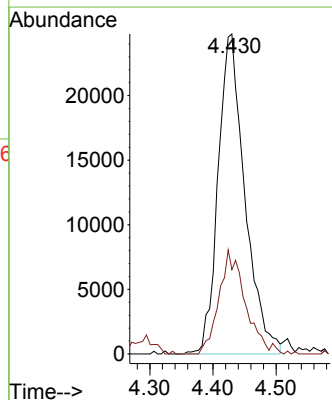
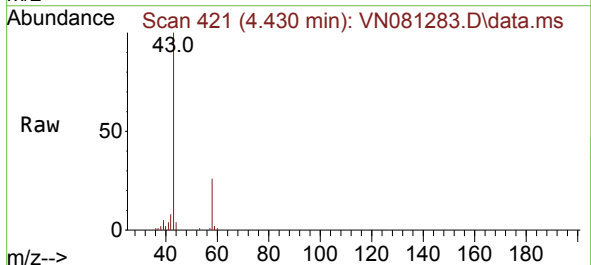
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MSVOA_N
ClientSampleId :
PB153949ZHE#05

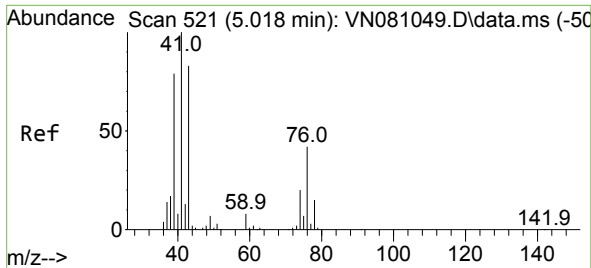
Tgt Ion: 56 Resp: 439
Ion Ratio Lower Upper
56 100
55 13.2 55.3 82.9#



#16
Acetone
Concen: 48.985 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 43 Resp: 72914
Ion Ratio Lower Upper
43 100
58 26.4 24.8 37.2

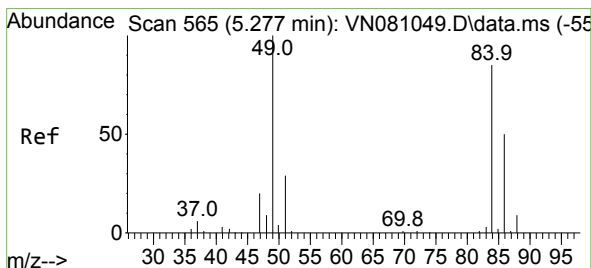
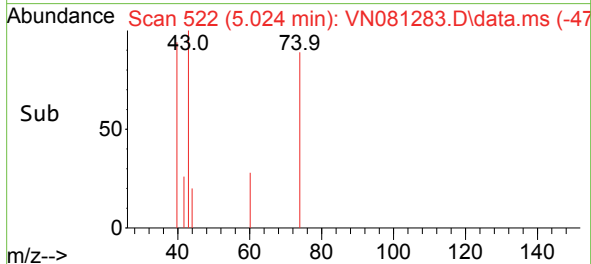
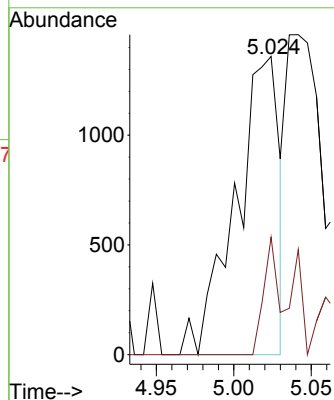
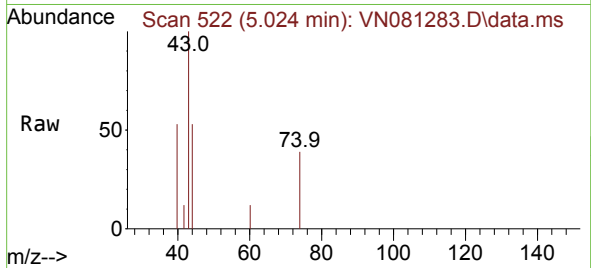




#18
Methyl Acetate
Concen: 0.729 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

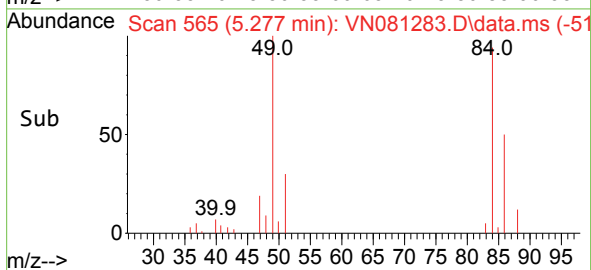
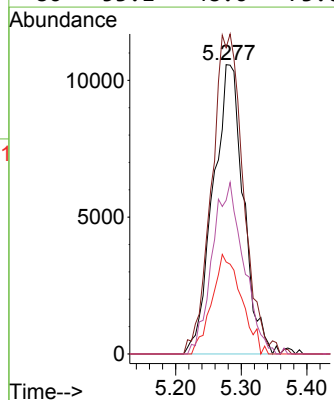
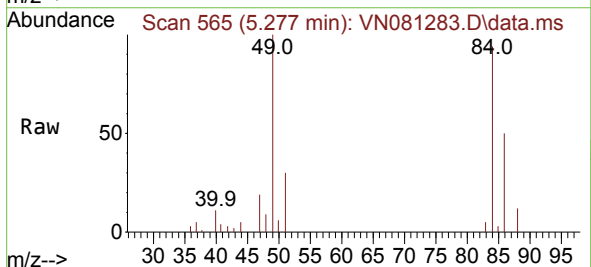
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

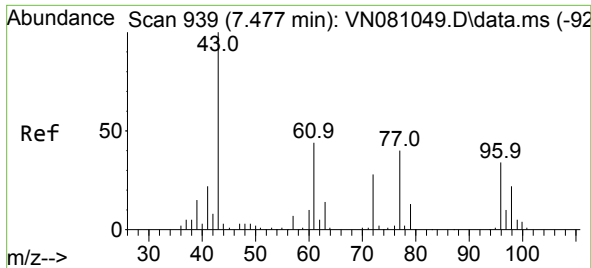
Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
74 15.6 17.3 25.9#



#20
Methylene Chloride
Concen: 8.034 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 84 Resp: 33941
Ion Ratio Lower Upper
84 100
49 105.9 108.1 162.1#
51 31.8 32.9 49.3#
86 53.1 48.6 73.0

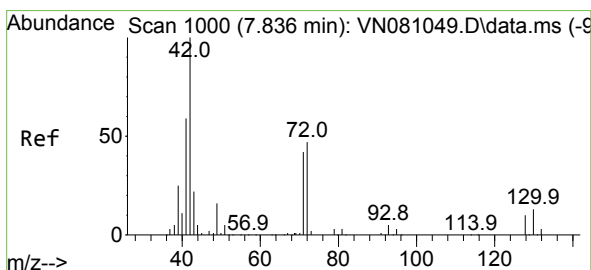
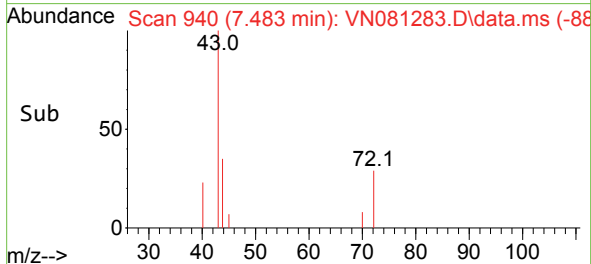
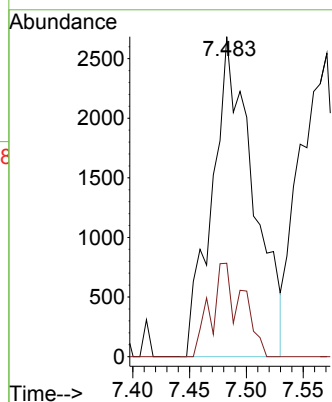
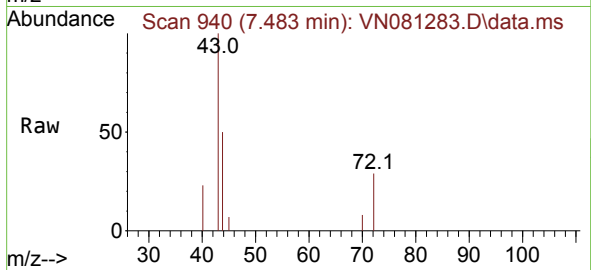




#25
2-Butanone
Concen: 2.813 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

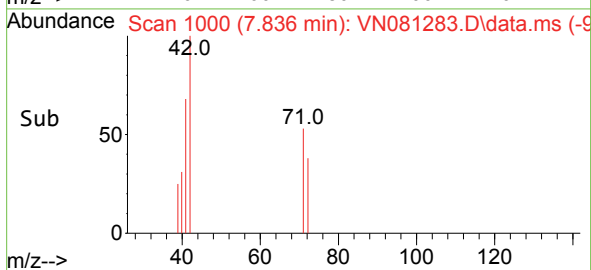
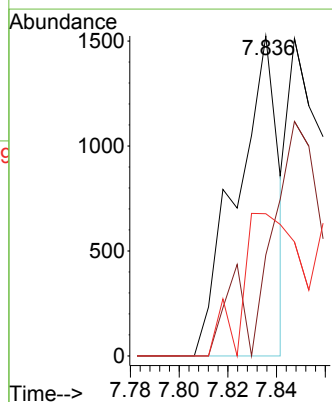
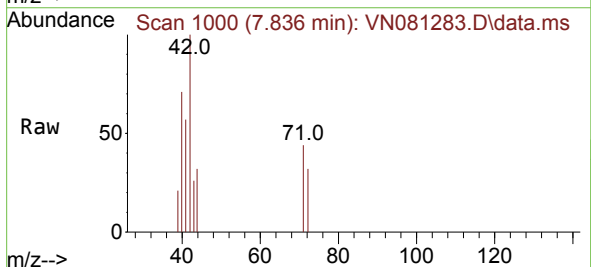
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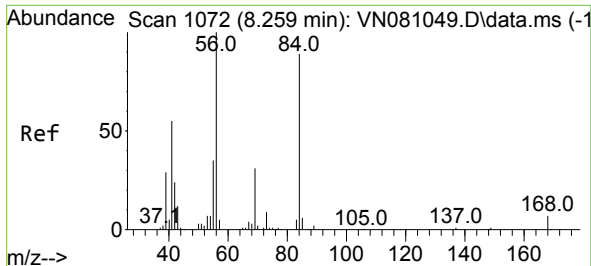
Tgt Ion: 43 Resp: 6765
Ion Ratio Lower Upper
43 100
72 29.2 19.5 29.3



#29
Tetrahydrofuran
Concen: 1.134 ug/l
RT: 7.836 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 42 Resp: 1821
Ion Ratio Lower Upper
42 100
72 102.5 31.1 46.7#
71 60.2 28.3 42.5#

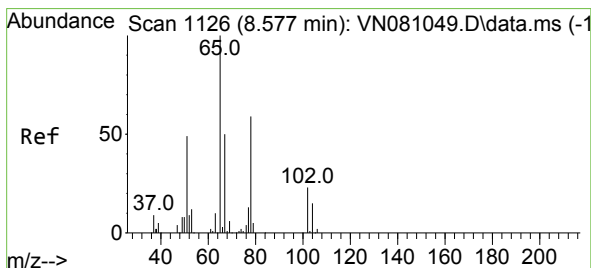
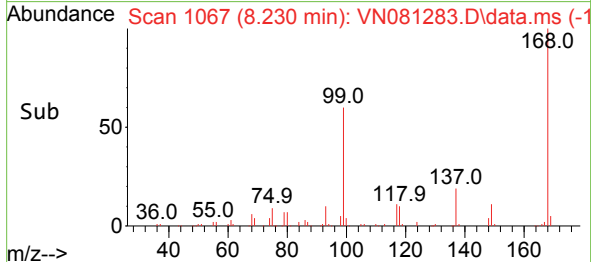
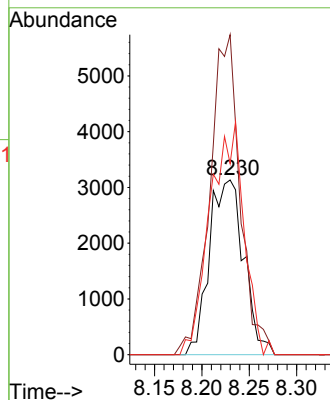
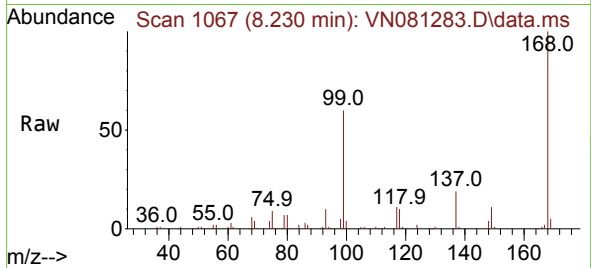




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

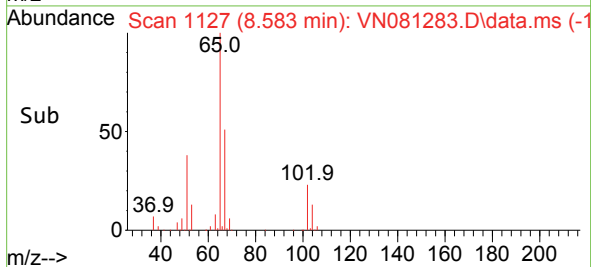
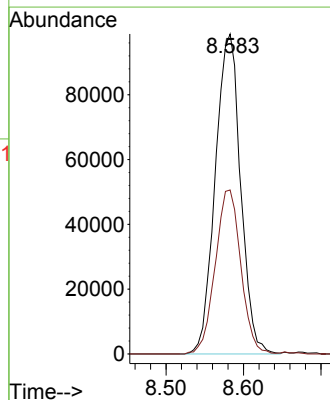
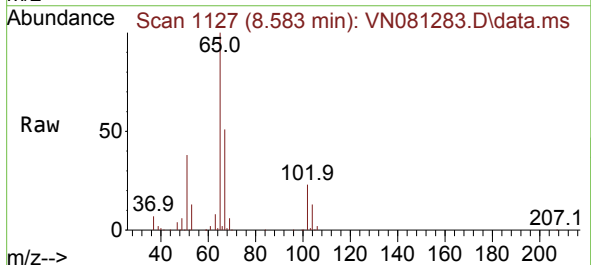
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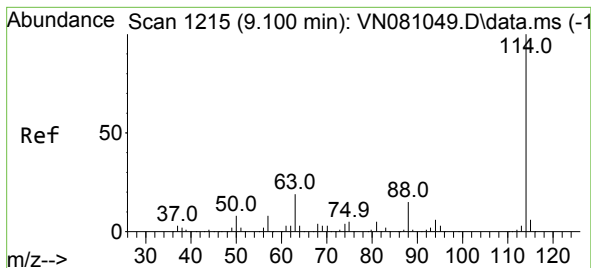
Tgt Ion: 56 Resp: 7953
Ion Ratio Lower Upper
56 100
69 183.1 20.1 30.1#
84 109.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 59.283 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 65 Resp: 224261
Ion Ratio Lower Upper
65 100
67 51.8 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: VN081283.D

Acq: 01 Mar 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#05

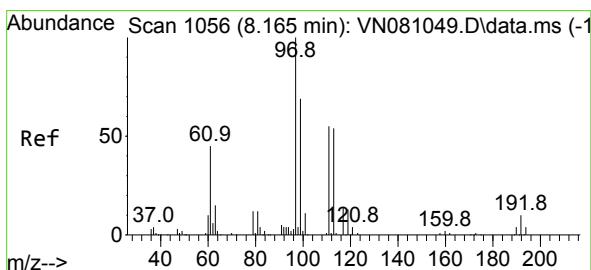
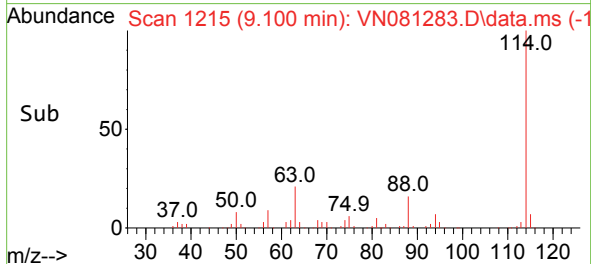
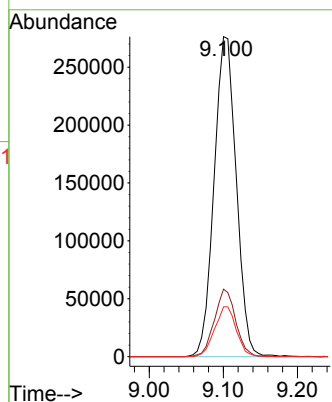
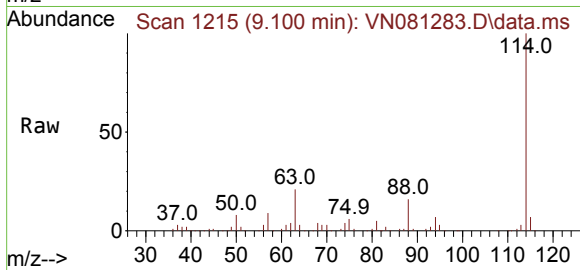
Tgt Ion:114 Resp: 574104

Ion Ratio Lower Upper

114 100

63 21.1 0.0 48.0

88 15.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 54.430 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

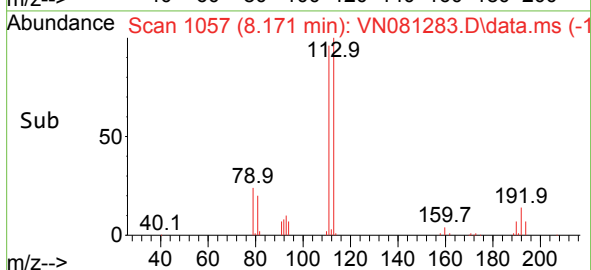
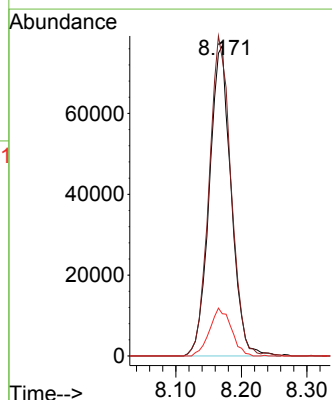
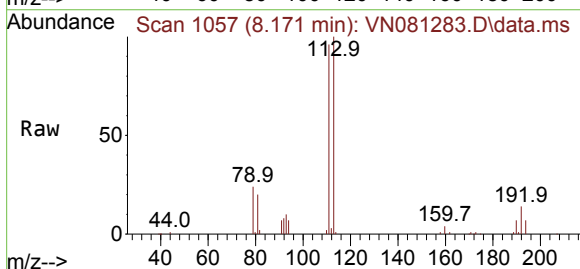
Tgt Ion:113 Resp: 176701

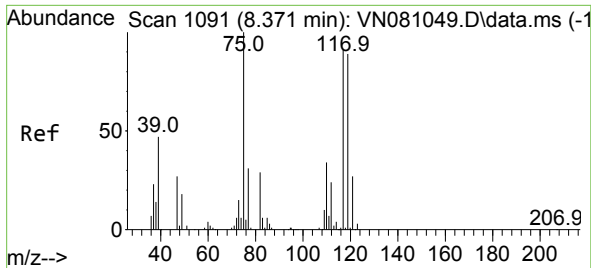
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

192 15.4 12.5 18.7

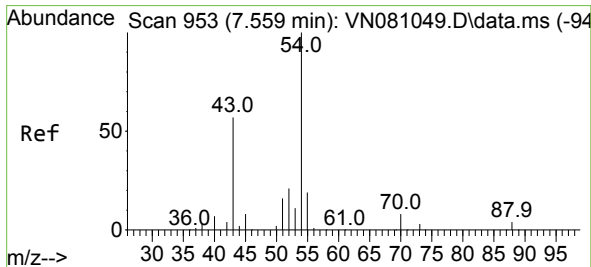
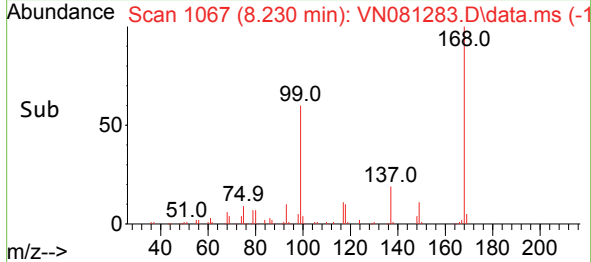
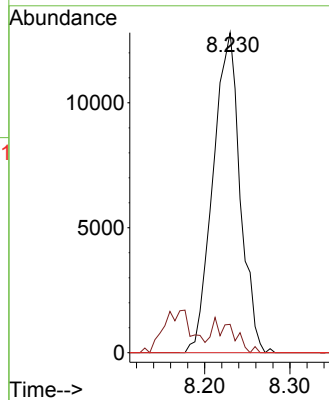
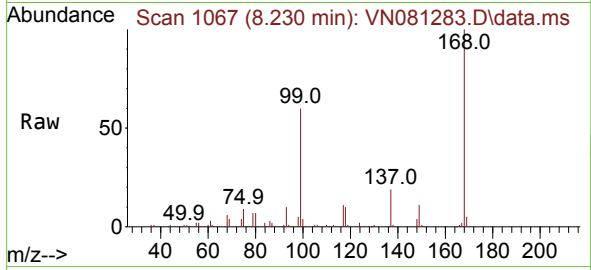




#36
1,1-Dichloropropene
Concen: 5.091 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

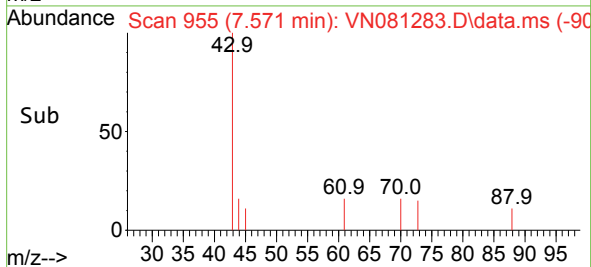
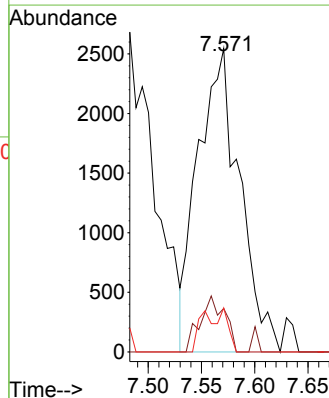
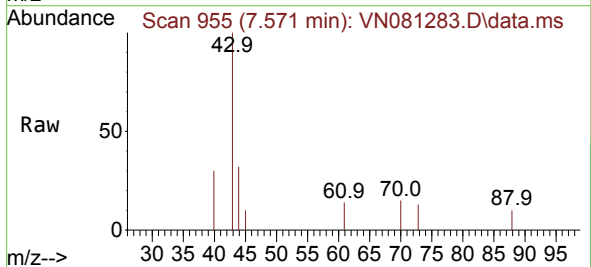
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

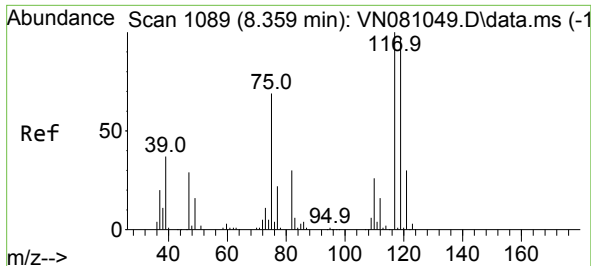
Tgt Ion: 75 Resp: 28314
Ion Ratio Lower Upper
75 100
110 8.3 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.377 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

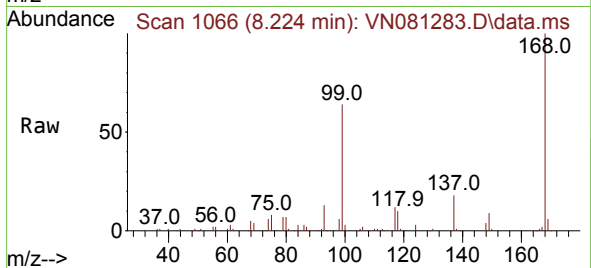
Tgt Ion: 43 Resp: 6914
Ion Ratio Lower Upper
43 100
61 11.0 10.6 15.8
70 8.3 8.0 12.0



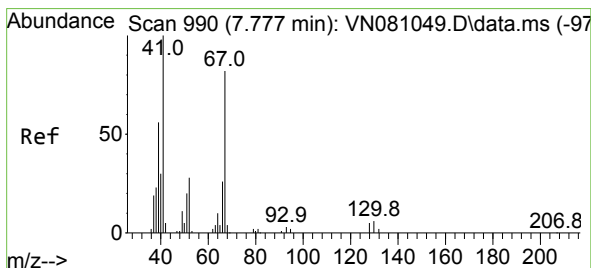
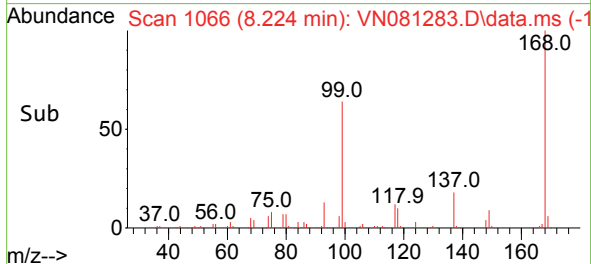
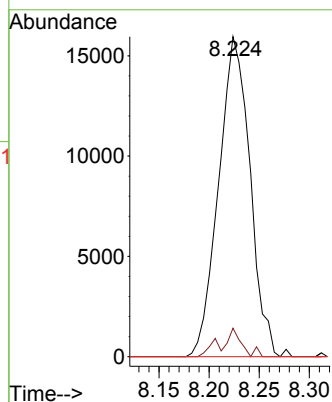


#38
Carbon Tetrachloride
Concen: 6.149 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

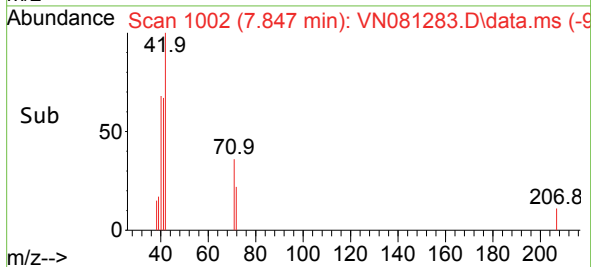
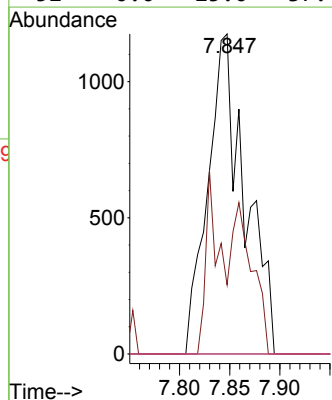
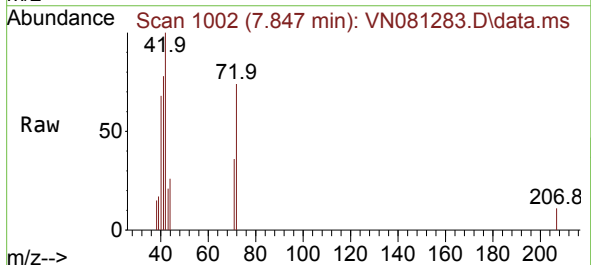


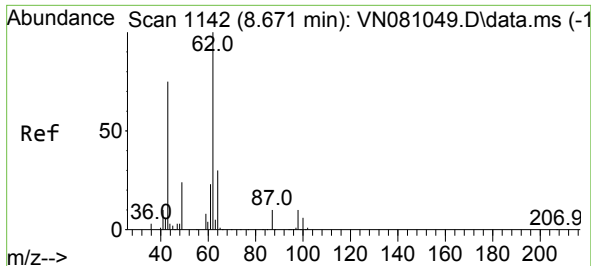
Tgt Ion:117 Resp: 34601
Ion Ratio Lower Upper
117 100
119 8.9 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.059 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 41 Resp: 3025
Ion Ratio Lower Upper
41 100
39 26.2 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.225 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

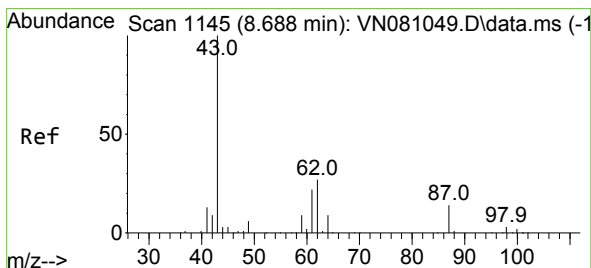
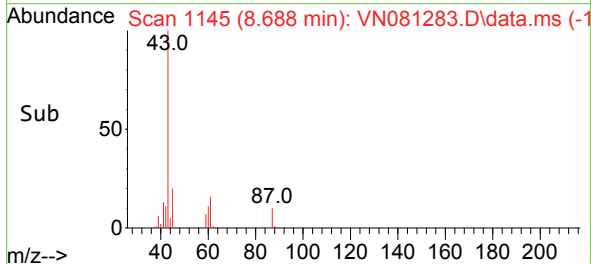
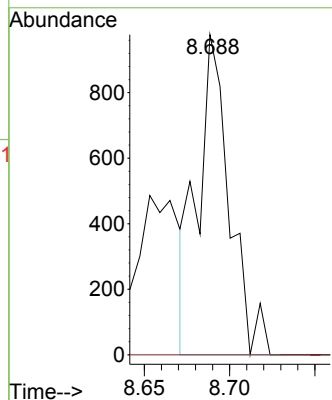
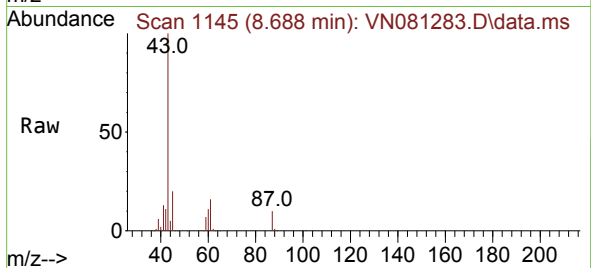
PB153949ZHE#05

Tgt Ion: 62 Resp: 1263

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 38.268 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

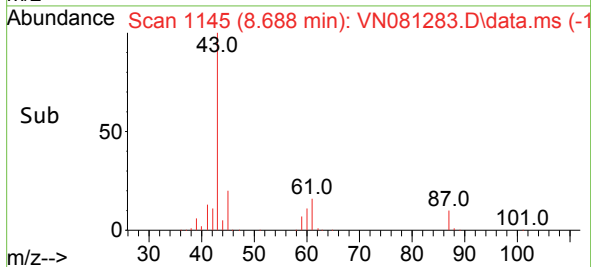
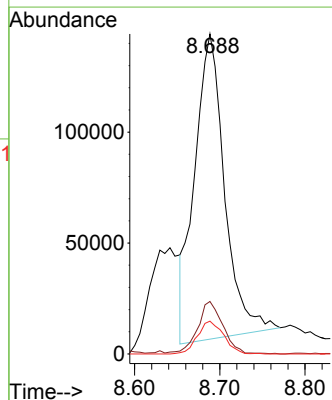
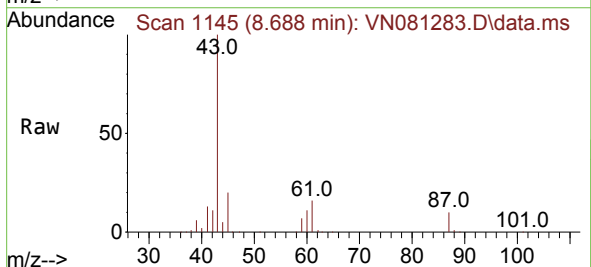
Tgt Ion: 43 Resp: 335944

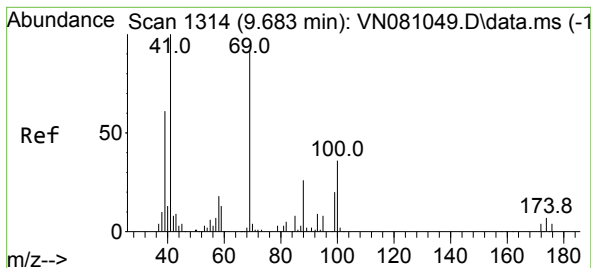
Ion Ratio Lower Upper

43 100

61 14.8 19.9 29.9#

87 9.4 9.0 13.6





#48

Methyl methacrylate

Concen: 1.501 ug/l

RT: 9.665 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#05

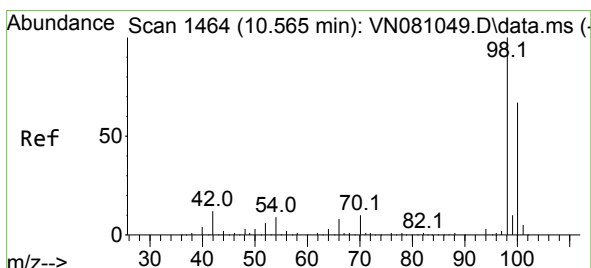
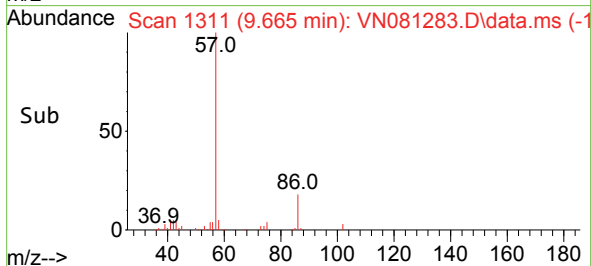
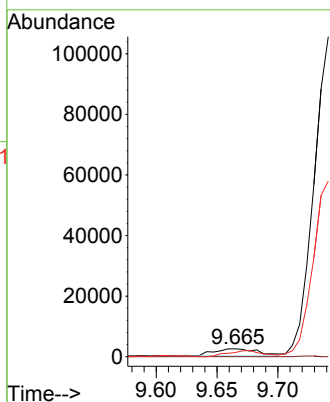
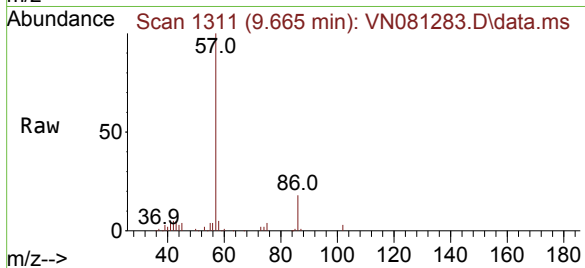
Tgt Ion: 41 Resp: 6132

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 65.2 47.6 71.4



#50

Toluene-d8

Concen: 60.243 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081283.D

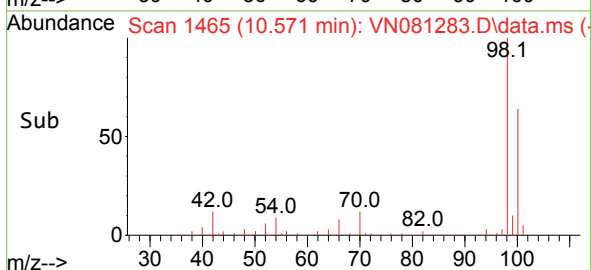
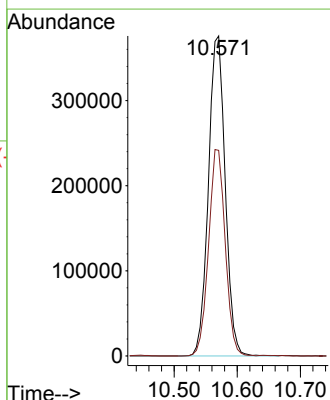
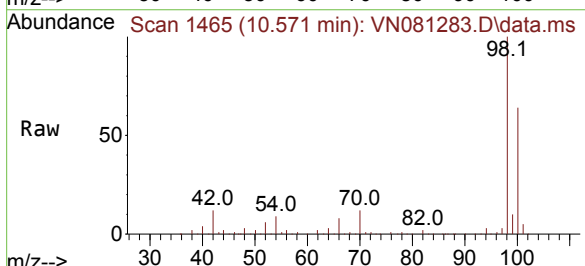
Acq: 01 Mar 2024 14:20

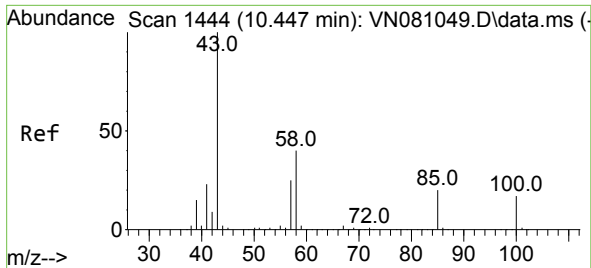
Tgt Ion: 98 Resp: 694614

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

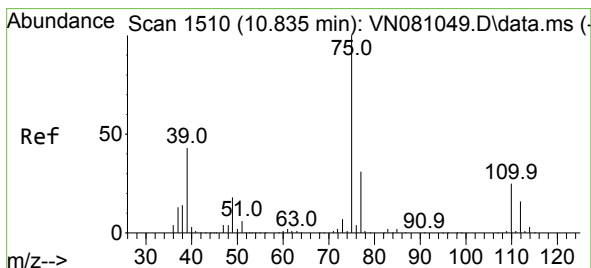
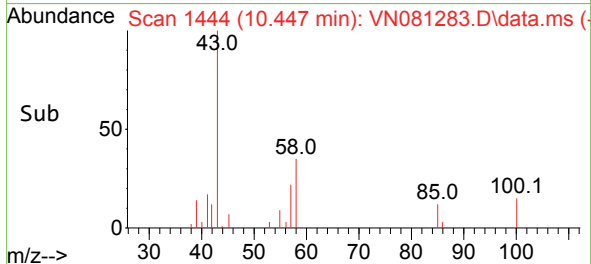
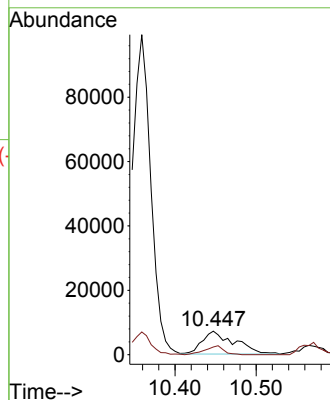
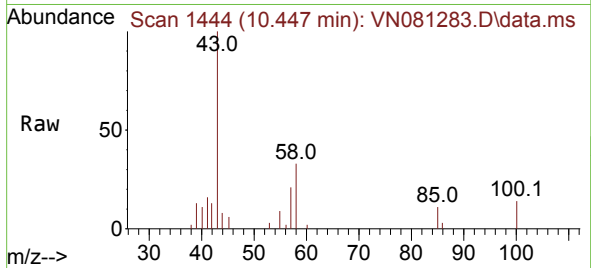




#51
4-Methyl-2-Pentanone
Concen: 3.886 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

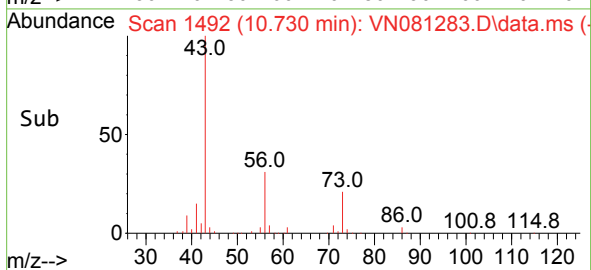
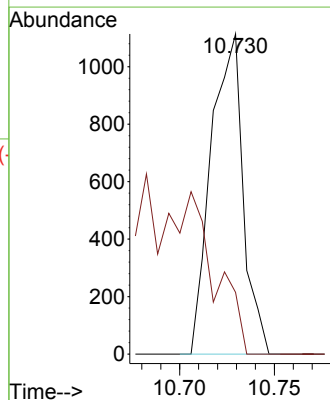
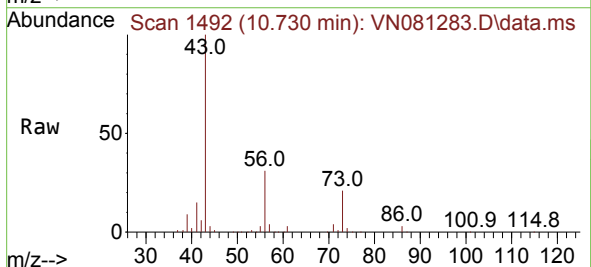
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

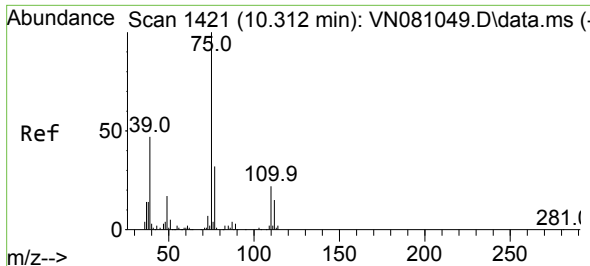
Tgt Ion: 43 Resp: 19624
Ion Ratio Lower Upper
43 100
58 22.4 29.4 44.0#



#53
t-1,3-Dichloropropene
Concen: 0.212 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 75 Resp: 1308
Ion Ratio Lower Upper
75 100
77 19.3 25.5 38.3#

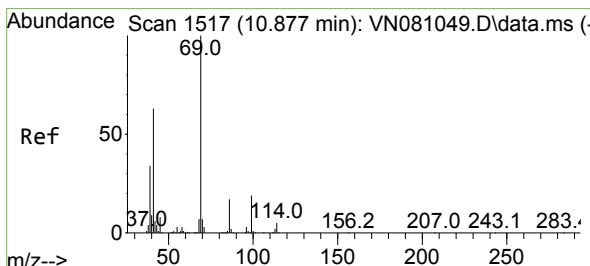
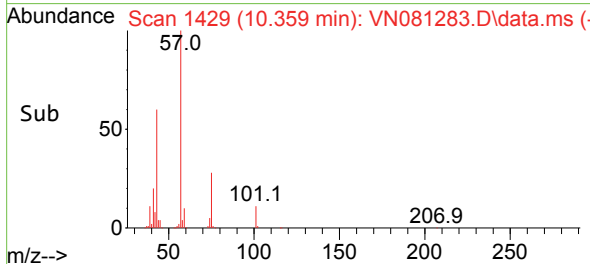
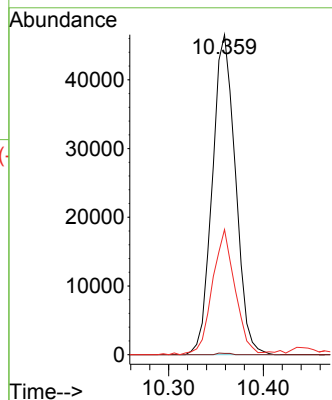
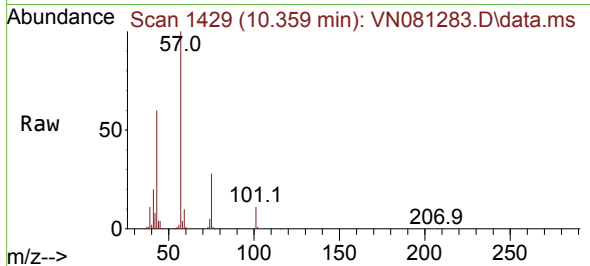




#54
cis-1,3-Dichloropropene
Concen: 11.844 ug/l
RT: 10.359 min Scan# 1421
Delta R.T. 0.047 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

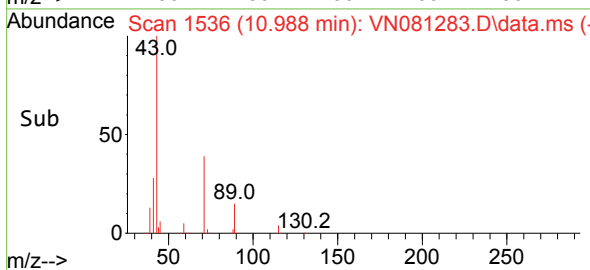
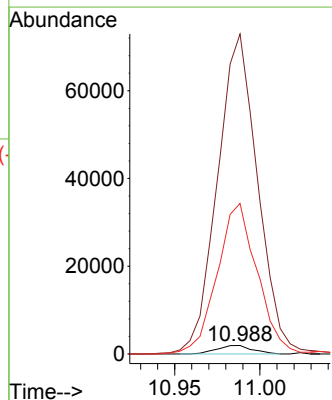
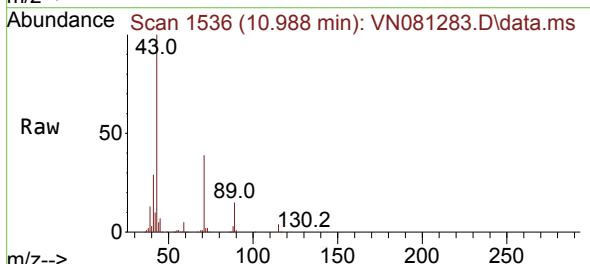
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

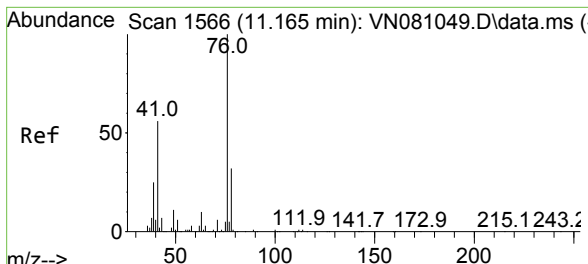
Tgt Ion: 75 Resp: 79020
Ion Ratio Lower Upper
75 100
77 0.4 23.3 34.9#
39 39.1 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.470 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 69 Resp: 2813
Ion Ratio Lower Upper
69 100
41 4274.8 61.0 91.6#
39 1998.8 31.8 47.6#

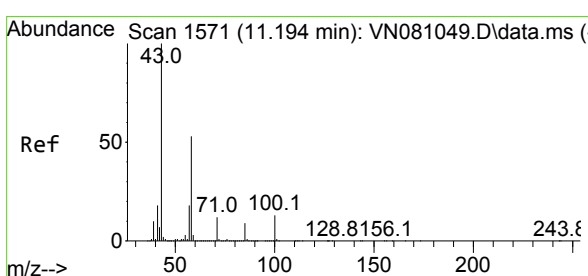
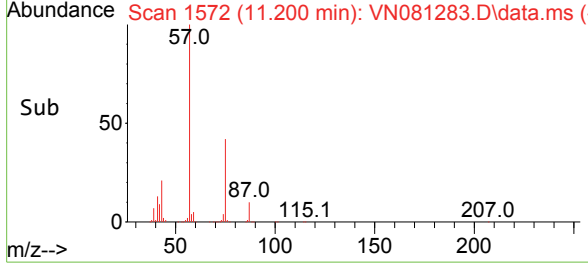
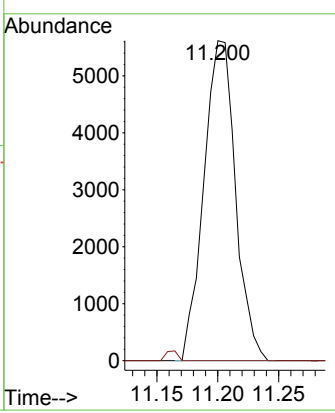
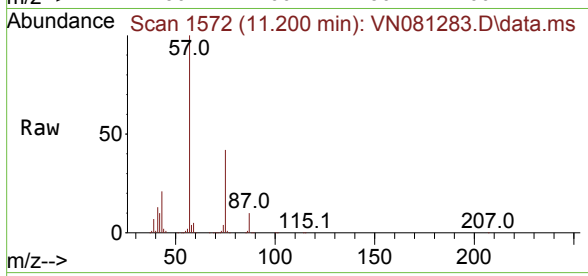




#57
 1,3-Dichloropropane
 Concen: 1.502 ug/l
 RT: 11.200 min Scan# 1119
 Delta R.T. 0.035 min
 Lab File: VN081283.D
 Acq: 01 Mar 2024 14:20

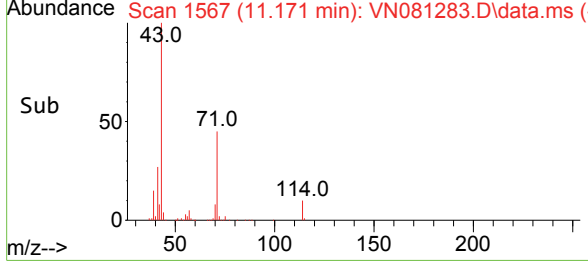
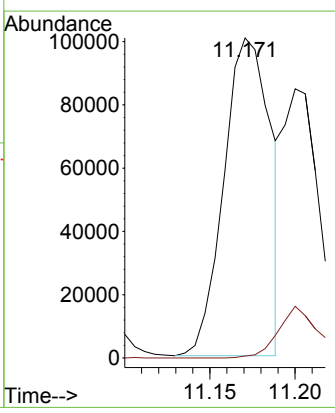
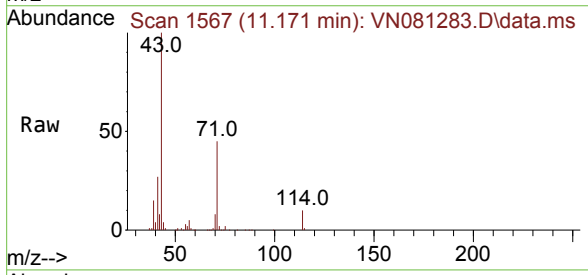
Instrument : MSVOA_N
 ClientSampleId : PB153949ZHE#05

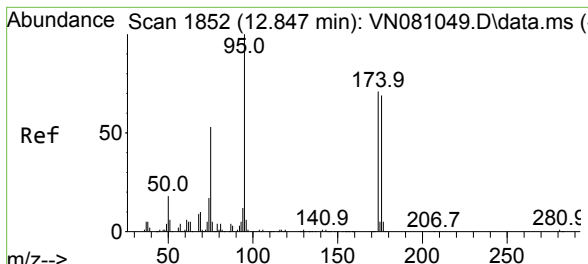
Tgt Ion: 76 Resp: 10180
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 47.795 ug/l
 RT: 11.171 min Scan# 1567
 Delta R.T. -0.024 min
 Lab File: VN081283.D
 Acq: 01 Mar 2024 14:20

Tgt Ion: 43 Resp: 191354
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.8#

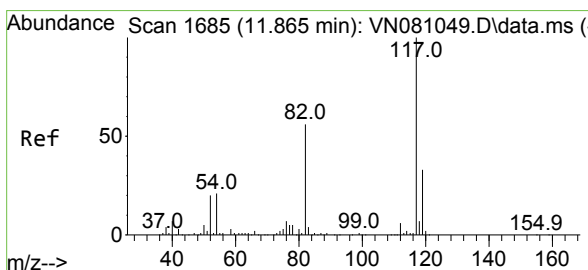
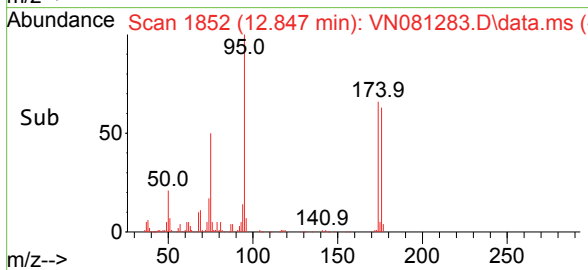
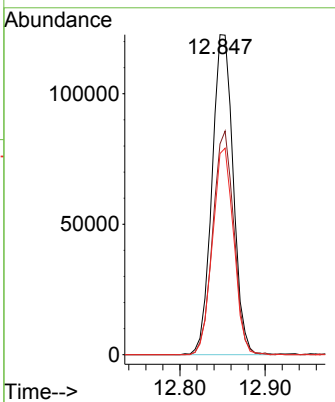
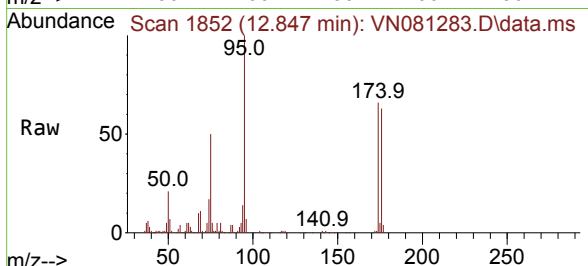




#62
 4-Bromofluorobenzene
 Concen: 48.883 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN081283.D
 Acq: 01 Mar 2024 14:20

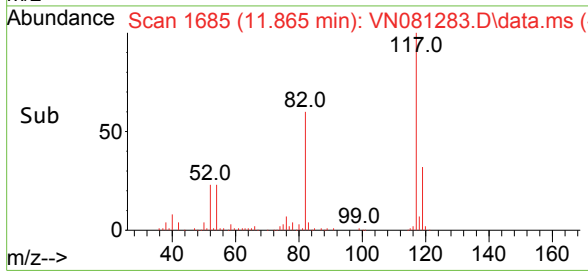
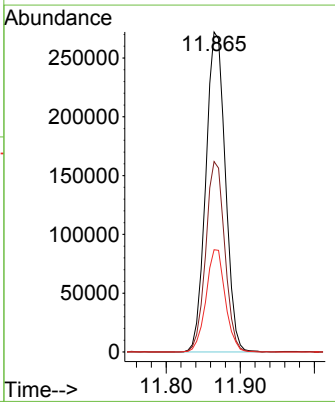
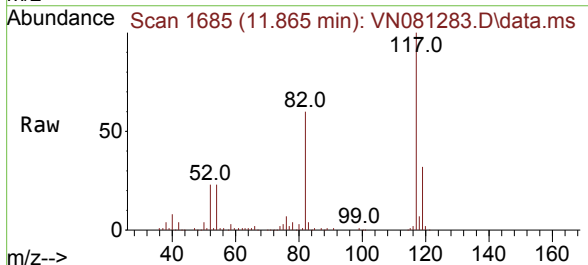
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#05

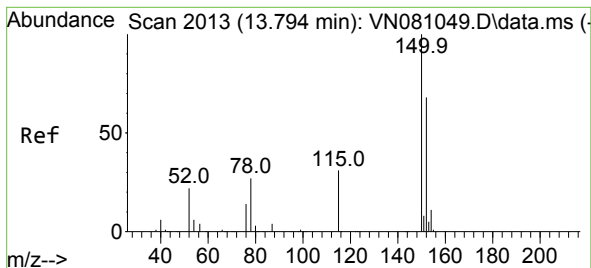
Tgt Ion:	95	Resp:	211789
Ion	Ratio	Lower	Upper
95	100		
174	69.6	0.0	120.4
176	64.5	0.0	121.0



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081283.D
 Acq: 01 Mar 2024 14:20

Tgt Ion:	117	Resp:	498163
Ion	Ratio	Lower	Upper
117	100		
82	59.5	52.7	79.1
119	32.0	25.3	37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081283.D

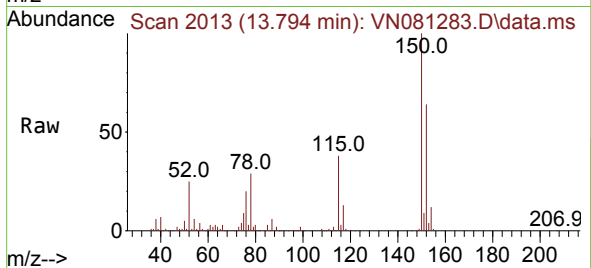
Acq: 01 Mar 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#05



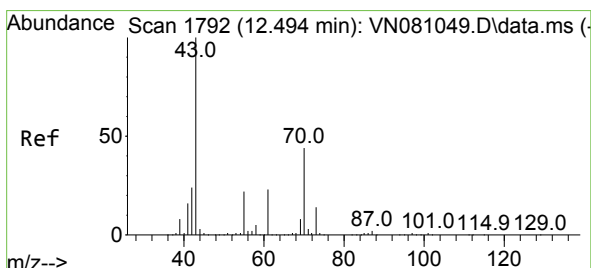
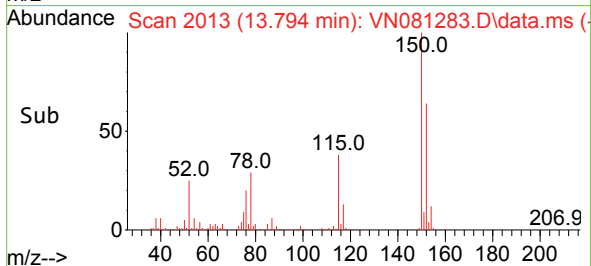
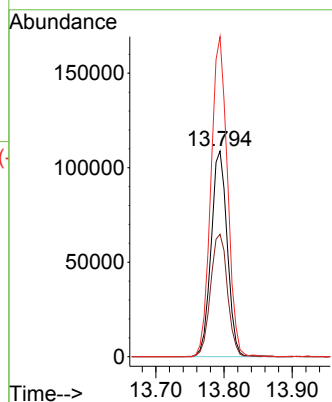
Tgt Ion:152 Resp: 179120

Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 159.1 0.0 339.8



#74

N-ethyl acetate

Concen: 0.549 ug/l

RT: 12.471 min Scan# 1788

Delta R.T. -0.024 min

Lab File: VN081283.D

Acq: 01 Mar 2024 14:20

Tgt Ion: 43 Resp: 3638

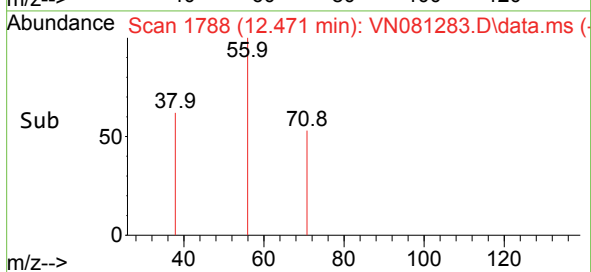
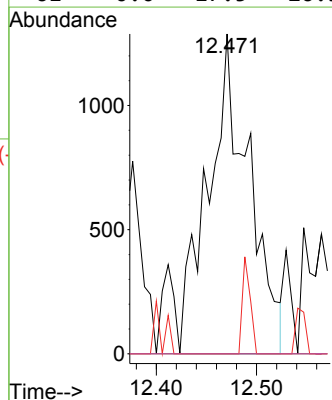
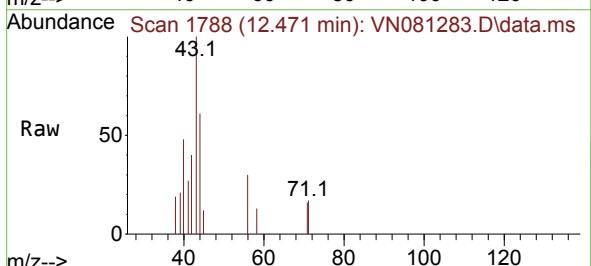
Ion Ratio Lower Upper

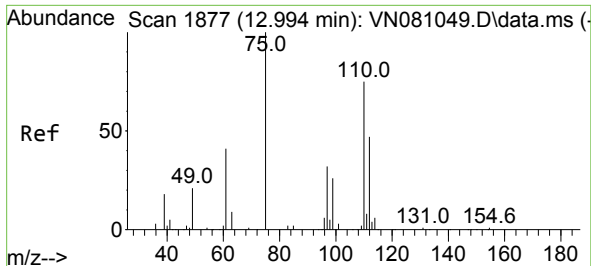
43 100

70 0.0 30.1 45.1#

55 5.8 17.0 25.4#

61 0.0 17.5 26.3#

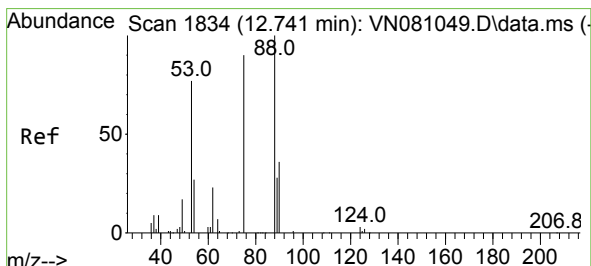
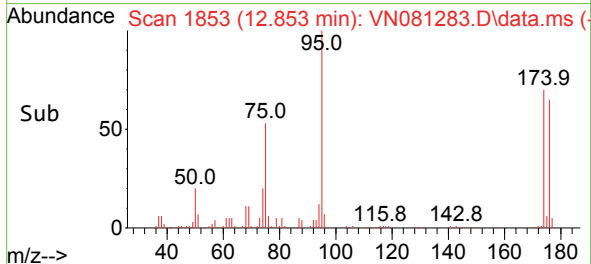
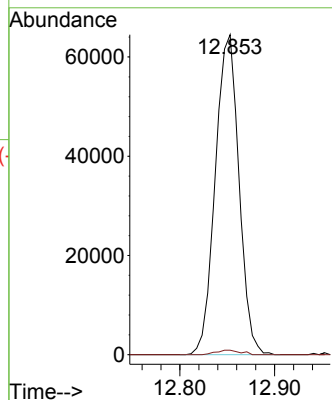
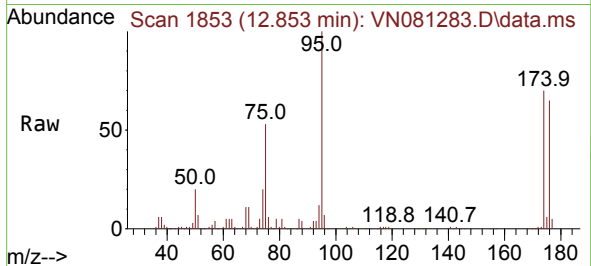




#76
1,2,3-Trichloropropane
Concen: 27.514 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#05

Tgt Ion: 75 Resp: 111975
Ion Ratio Lower Upper
75 100
77 1.4 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.819 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081283.D
Acq: 01 Mar 2024 14:20

Tgt Ion: 75 Resp: 111975
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

