

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081175.D
 Acq On : 23 Feb 2024 21:45
 Operator : JC\MD
 Sample : P1574-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-5

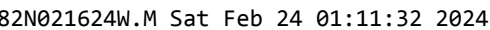
Quant Time: Feb 24 01:11:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

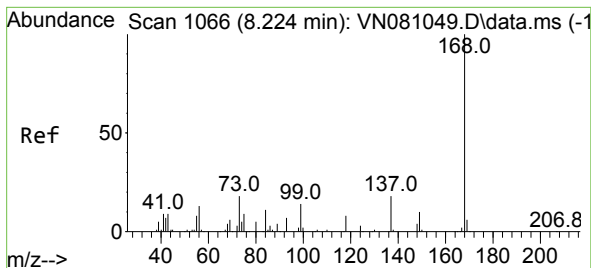
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	265146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	532812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	479388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	182570	56.176	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.360%
35) Dibromofluoromethane	8.171	113	152571	50.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.280%
50) Toluene-d8	10.571	98	486089	45.425	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.840%
62) 4-Bromofluorobenzene	12.853	95	175088	43.544	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	967	Below Cal	#	43
5) Bromomethane	2.977	94	997	0.369	ug/l	97
6) Chloroethane	3.077	64	105	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	1615	2.702	ug/l	# 83
13) Acrolein	4.183	56	836	2.610	ug/l	# 66
16) Acetone	4.430	43	69834	54.610	ug/l	95
18) Methyl Acetate	5.030	43	7463	2.392	ug/l	98
20) Methylene Chloride	5.277	84	19889	5.179	ug/l	90
25) 2-Butanone	7.494	43	6559	3.175	ug/l	# 75
29) Tetrahydrofuran	7.847	42	5676	4.116	ug/l	# 80
31) Cyclohexane	8.236	56	6917	1.233	ug/l	# 11
36) 1,1-Dichloropropene	8.224	75	24565	4.759	ug/l	# 50
37) Ethyl Acetate	7.571	43	8662	1.859	ug/l	# 81
38) Carbon Tetrachloride	8.224	117	29512	5.651	ug/l	# 20
41) Methacrylonitrile	7.847	41	3670	1.384	ug/l	# 50
42) 1,2-Dichloroethane	8.683	62	2352	0.451	ug/l	# 75
43) Isopropyl Acetate	8.688	43	474512	58.241	ug/l	# 80
45) 1,2-Dichloropropane	9.747	63	3323	0.889	ug/l	# 42
48) Methyl methacrylate	9.665	41	7524	1.985	ug/l	# 47
49) 1,4-Dioxane	9.665	88	64	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.447	43	13069	2.788	ug/l	93
54) cis-1,3-Dichloropropene	10.365	75	97940	15.817	ug/l	# 60
57) 1,3-Dichloropropane	11.200	76	11481	1.825	ug/l	# 43
59) 2-Hexanone	11.177	43	204877	55.138	ug/l	# 26
74) N-amyl acetate	12.488	43	1521	0.223	ug/l	# 54
76) 1,2,3-Trichloropropane	12.853	75	93871	22.371	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	93871	57.582	ug/l	# 14
95) Naphthalene	15.641	128	6117	0.456	ug/l	# 87

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

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN081175.D

Acq: 23 Feb 2024 21:45

Instrument :

MSVOA_N

ClientSampleId :

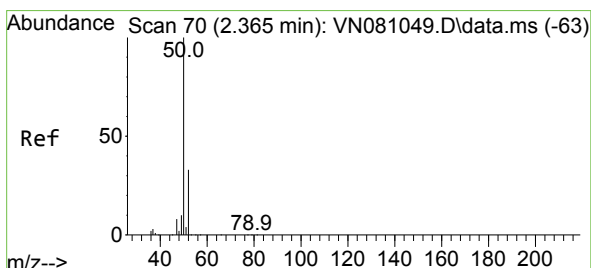
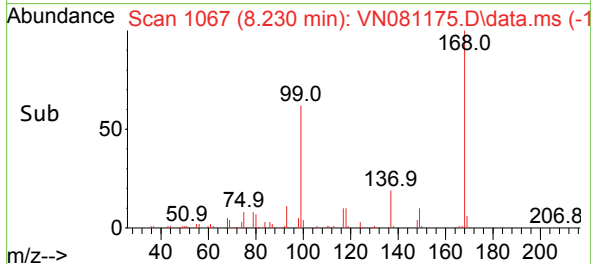
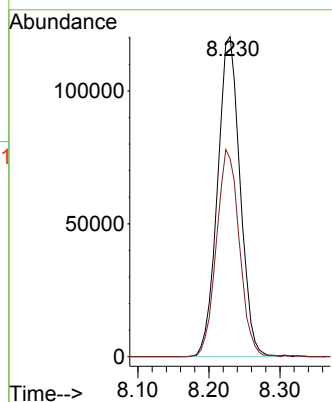
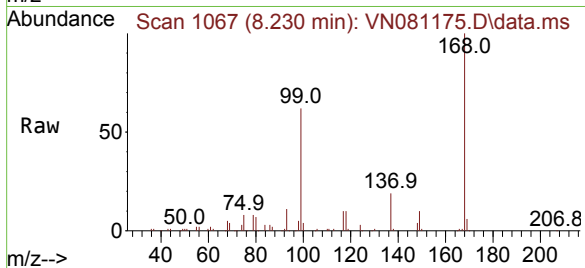
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Tgt Ion:168 Resp: 265146

Ion Ratio Lower Upper

168 100

99 61.9 59.9 89.9



#3

Chloromethane

Concen: Below Cal

RT: 2.371 min Scan# 71

Delta R.T. 0.006 min

Lab File: VN081175.D

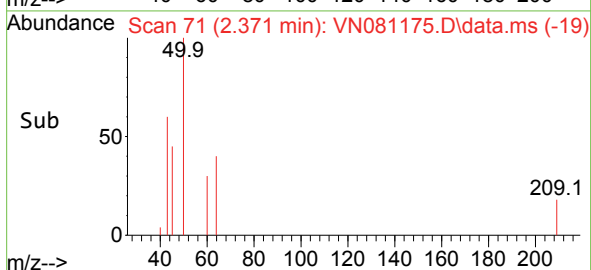
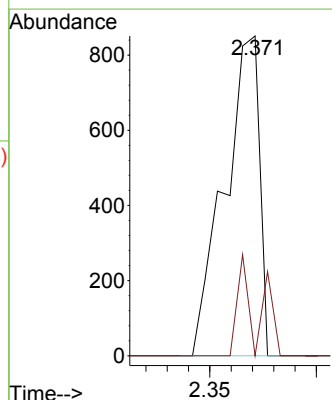
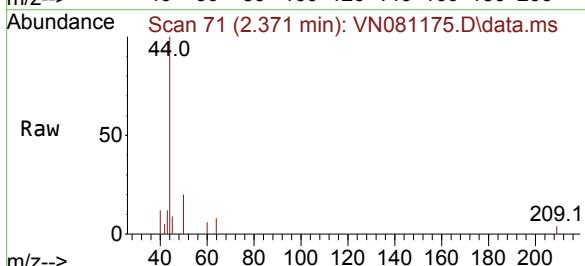
Acq: 23 Feb 2024 21:45

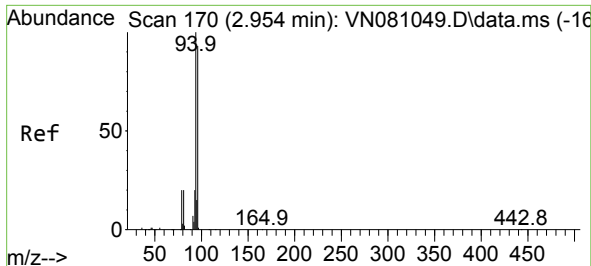
Tgt Ion: 50 Resp: 967

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#

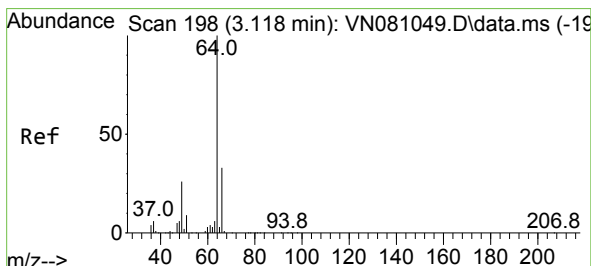
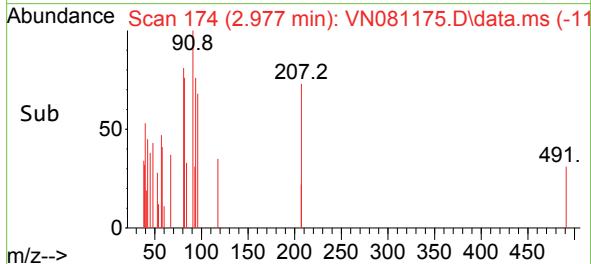
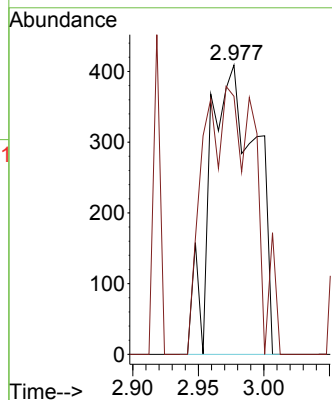
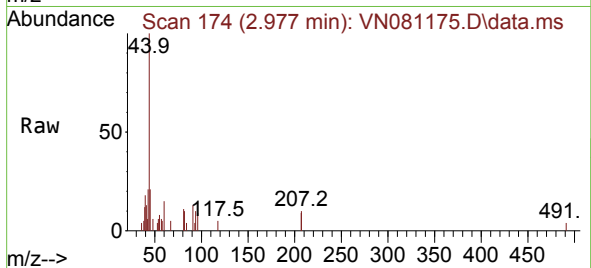




#5
Bromomethane
Concen: 0.369 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

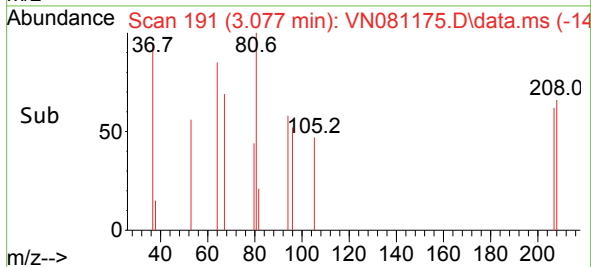
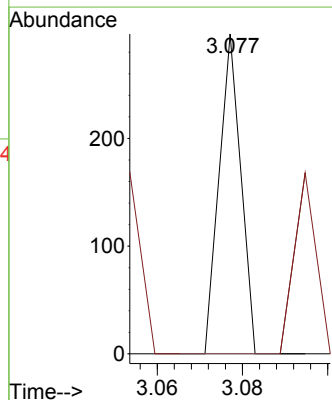
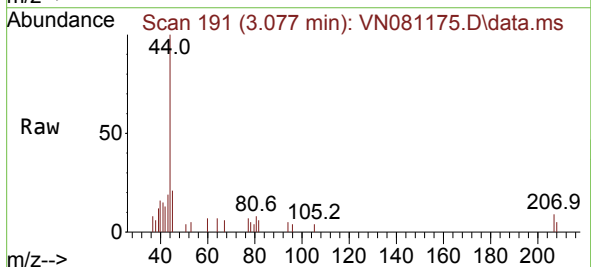
Instrument :
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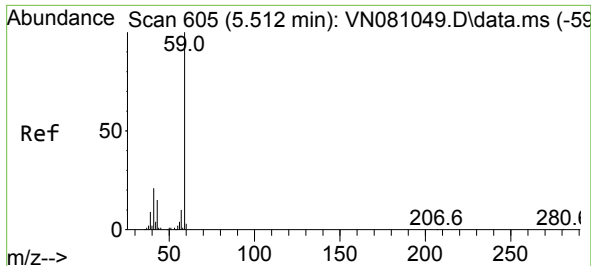
Tgt Ion: 94 Resp: 997
Ion Ratio Lower Upper
94 100
96 89.2 69.2 103.8



#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 191
Delta R.T. -0.041 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#

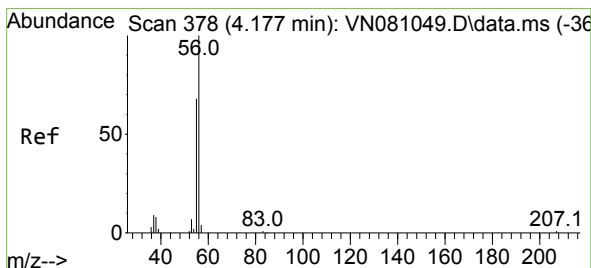
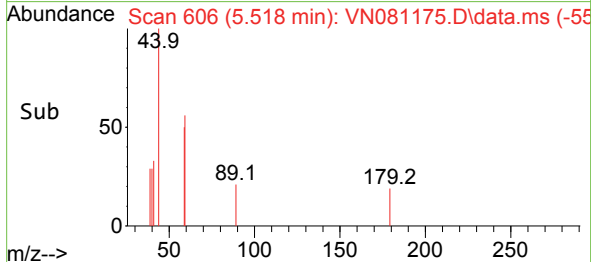
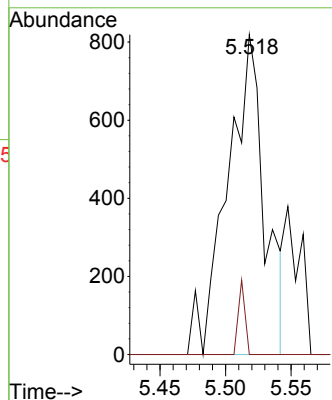
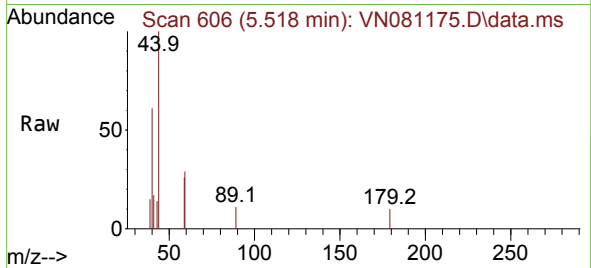




#11
Tert butyl alcohol
Concen: 2.702 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

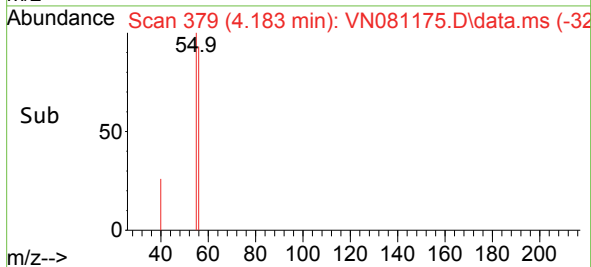
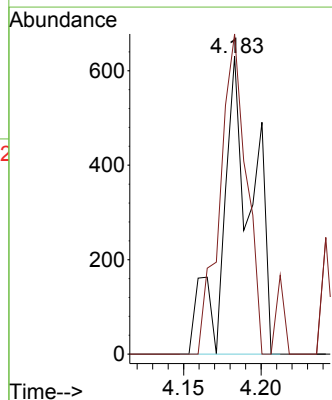
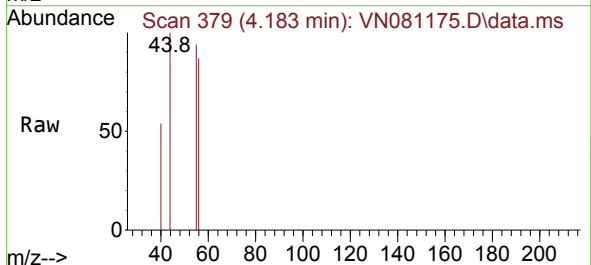
Instrument :
MSVOA_N
ClientSampleId :
SB-5

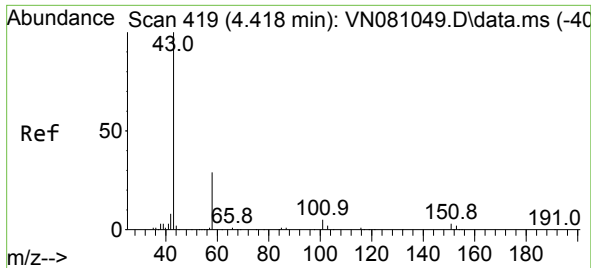
Tgt Ion: 59 Resp: 1615
Ion Ratio Lower Upper
59 100
57 4.1 8.6 12.8#



#13
Acrolein
Concen: 2.610 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 56 Resp: 836
Ion Ratio Lower Upper
56 100
55 96.4 55.3 82.9#

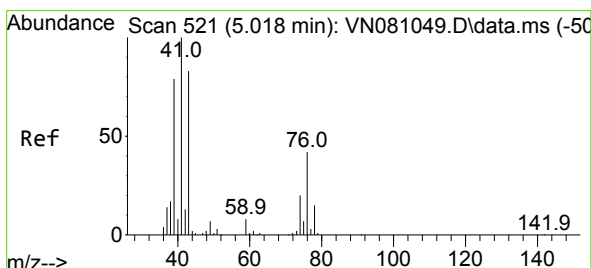
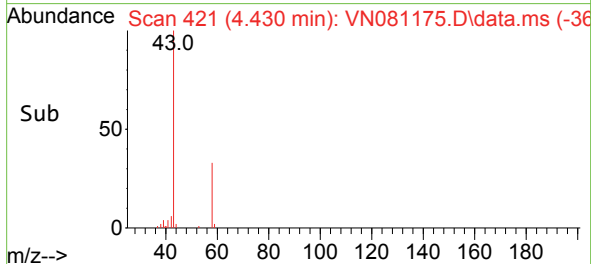
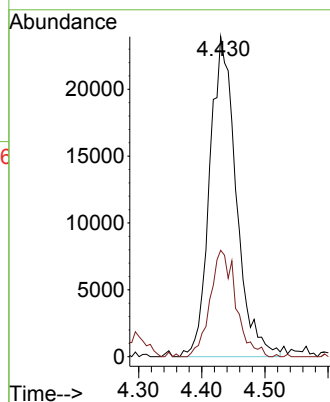
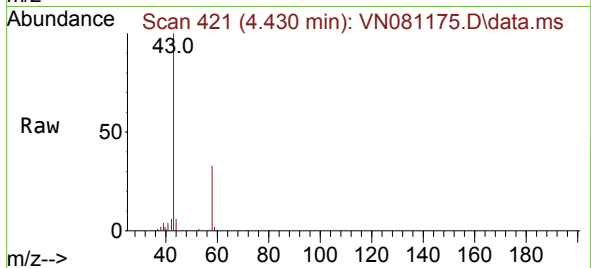




#16
Acetone
Concen: 54.610 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

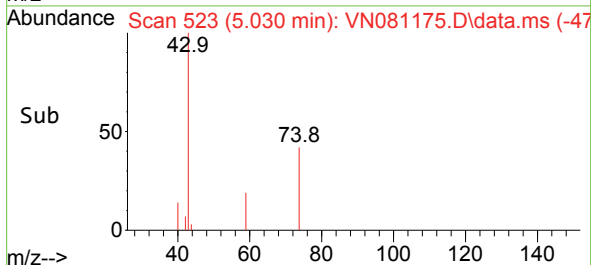
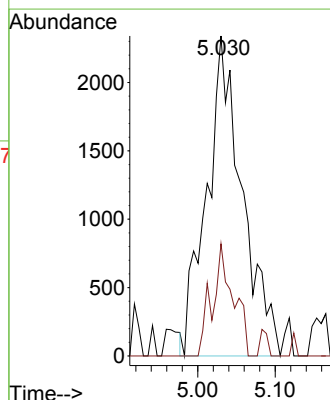
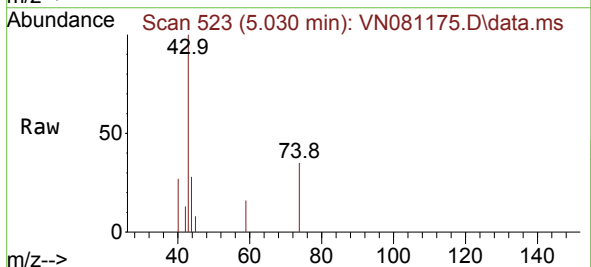
Instrument :
MSVOA_N
ClientSampleId :
SB-5

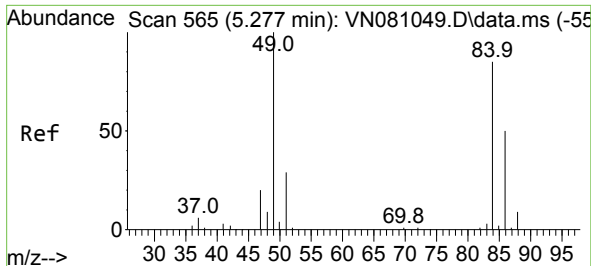
Tgt Ion: 43 Resp: 69834
Ion Ratio Lower Upper
43 100
58 33.8 24.8 37.2



#18
Methyl Acetate
Concen: 2.392 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 43 Resp: 7463
Ion Ratio Lower Upper
43 100
74 20.9 17.3 25.9

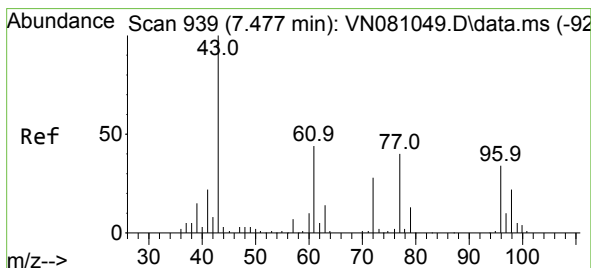
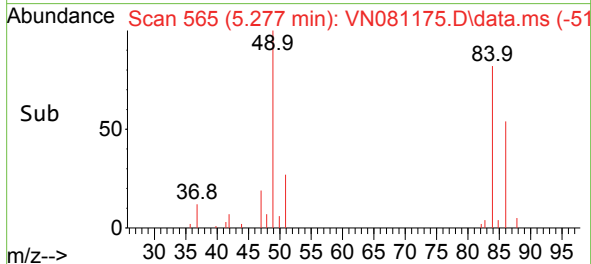
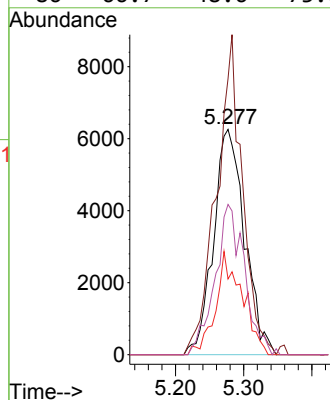
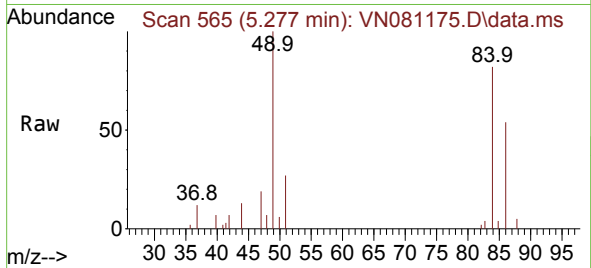




#20
Methylene Chloride
Concen: 5.179 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

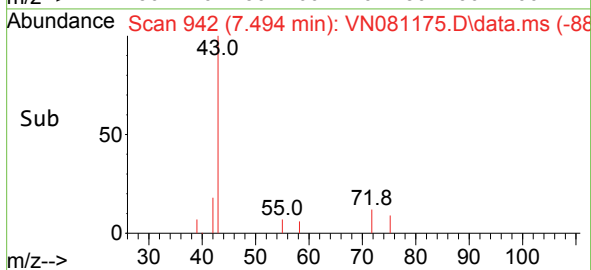
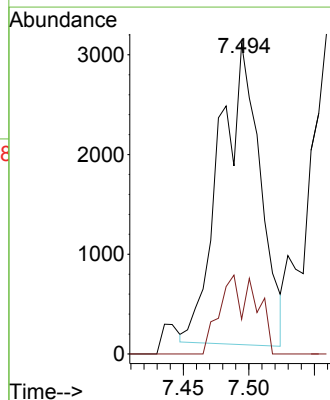
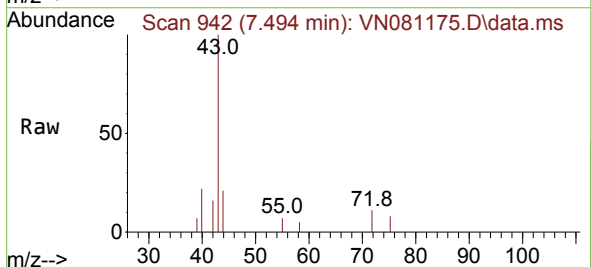
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ClientSampleId :
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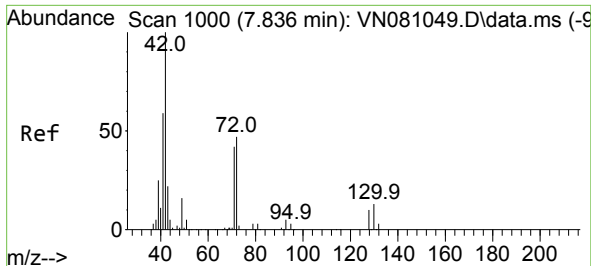
Tgt Ion:	84	Resp:	19889
Ion	Ratio	Lower	Upper
84	100		
49	122.5	108.1	162.1
51	33.6	32.9	49.3
86	66.7	48.6	73.0



#25
2-Butanone
Concen: 3.175 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion:	43	Resp:	6559
Ion	Ratio	Lower	Upper
43	100		
72	12.0	19.5	29.3#

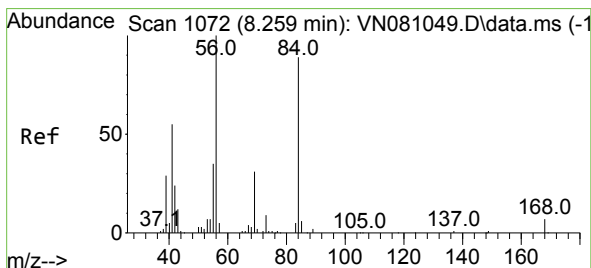
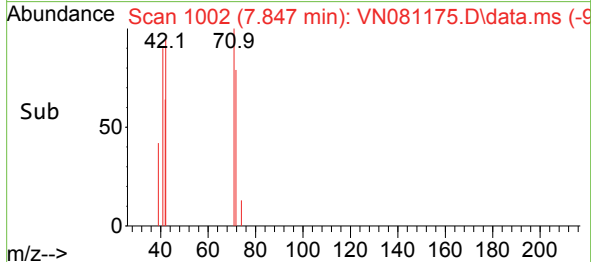
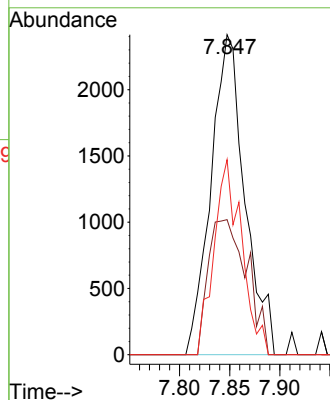
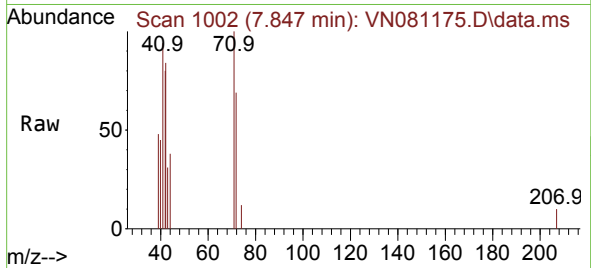




#29
Tetrahydrofuran
Concen: 4.116 ug/l
RT: 7.847 min Scan# 1068
Delta R.T. 0.012 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

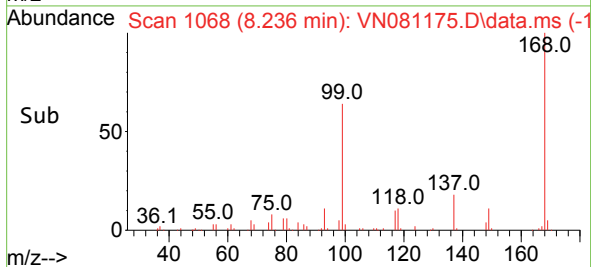
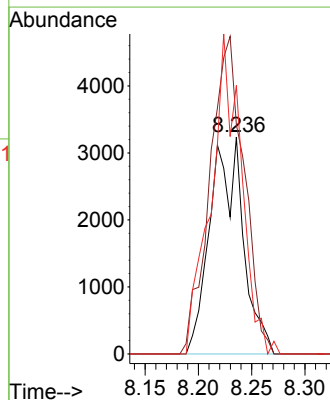
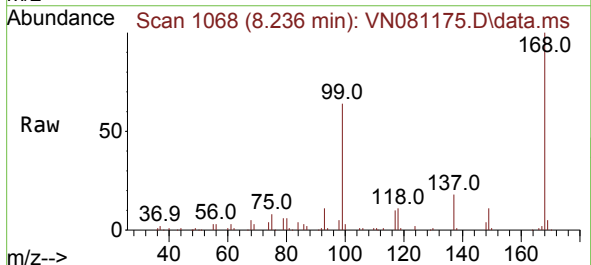
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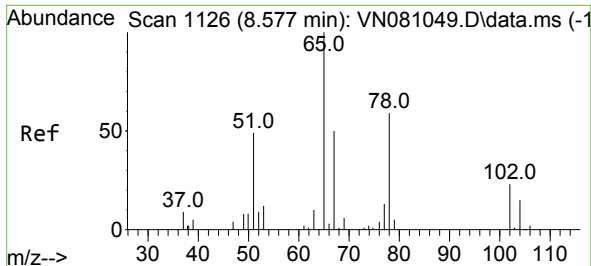
Tgt Ion: 42 Resp: 5676
Ion Ratio Lower Upper
42 100
72 48.3 31.1 46.7#
71 49.7 28.3 42.5#



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.024 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 56 Resp: 6917
Ion Ratio Lower Upper
56 100
69 105.8 20.1 30.1#
84 123.7 56.9 85.3#

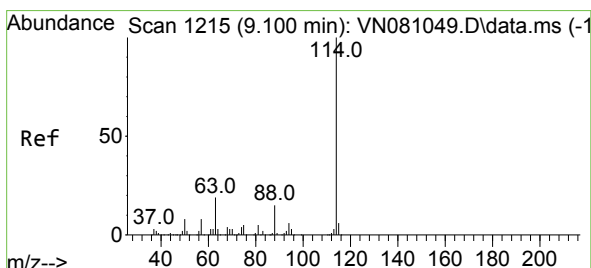
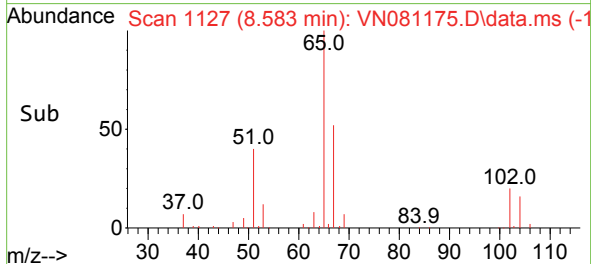
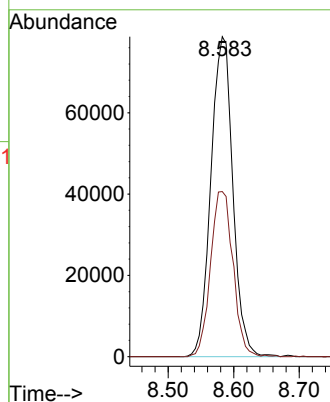
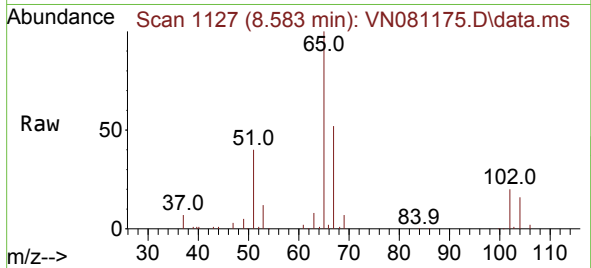




#33
 1,2-Dichloroethane-d4
 Concen: 56.176 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN081175.D
 Acq: 23 Feb 2024 21:45

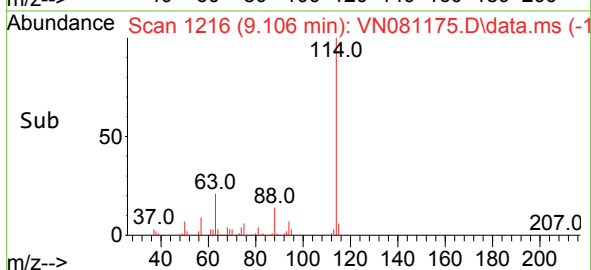
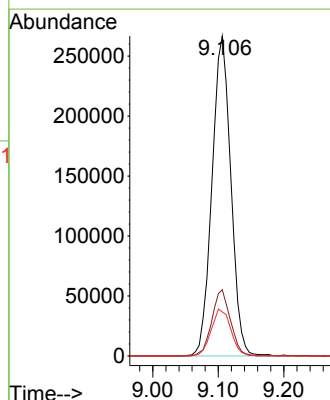
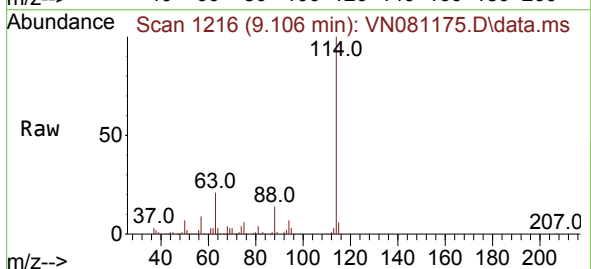
Instrument :
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 SB-5

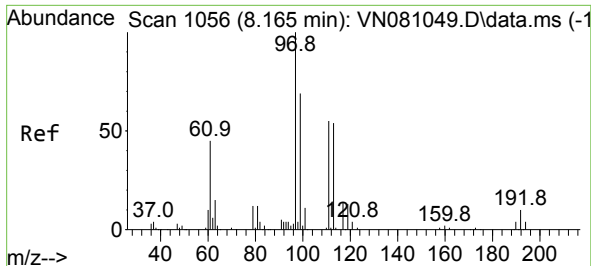
Tgt Ion: 65 Resp: 182570
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.006 min
 Lab File: VN081175.D
 Acq: 23 Feb 2024 21:45

Tgt Ion: 114 Resp: 532812
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 48.0
 88 13.8 0.0 34.8

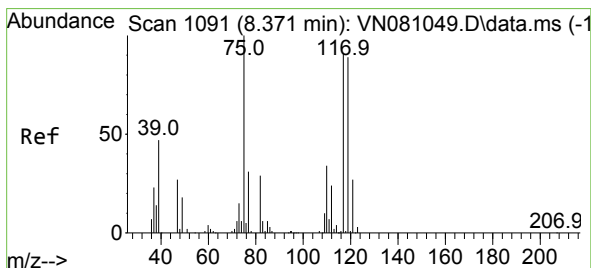
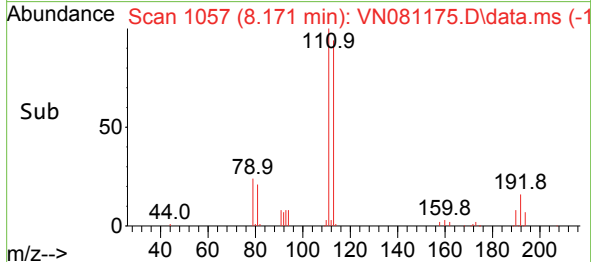
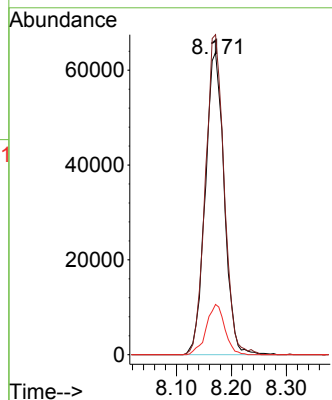
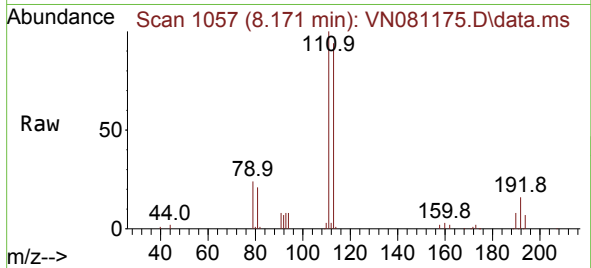




#35
Dibromofluoromethane
Concen: 50.639 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

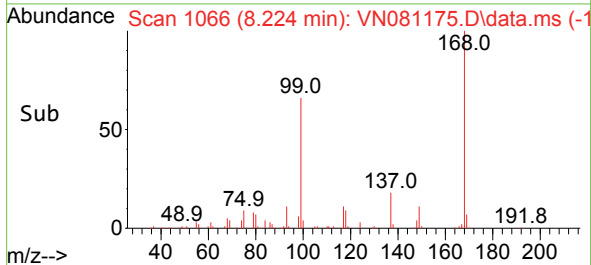
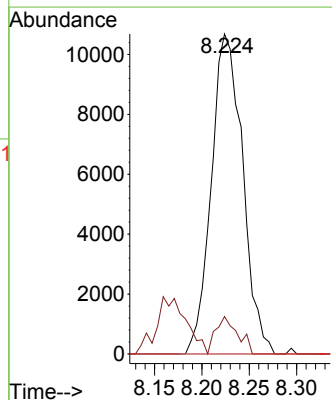
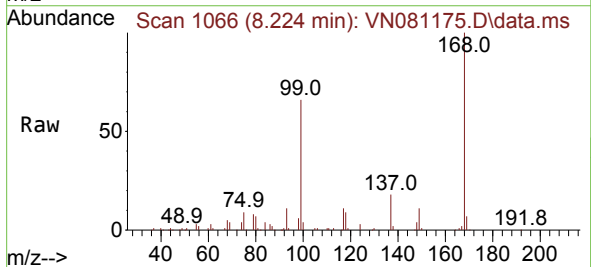
Instrument :
MSVOA_N
ClientSampleId :
SB-5

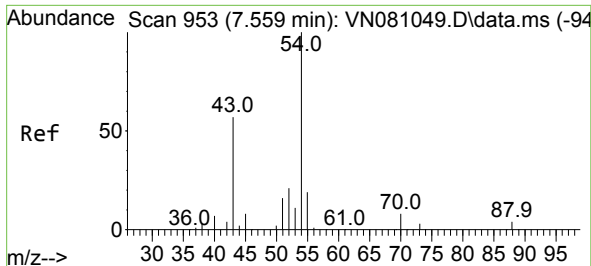
Tgt Ion:113 Resp: 152571
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 16.2 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.759 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 75 Resp: 24565
Ion Ratio Lower Upper
75 100
110 8.2 16.0 48.0#
77 0.0 25.8 38.6#

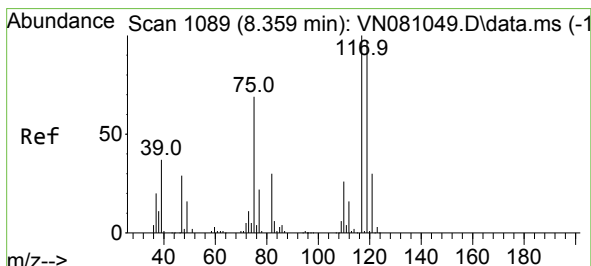
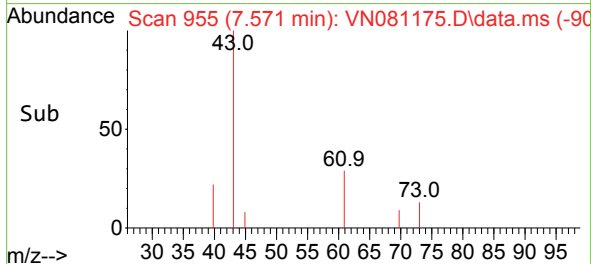
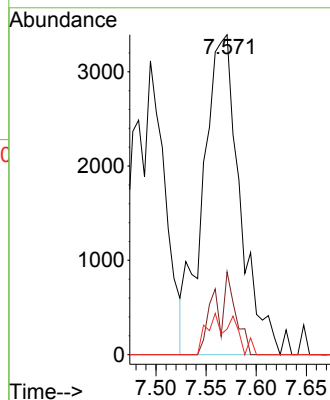
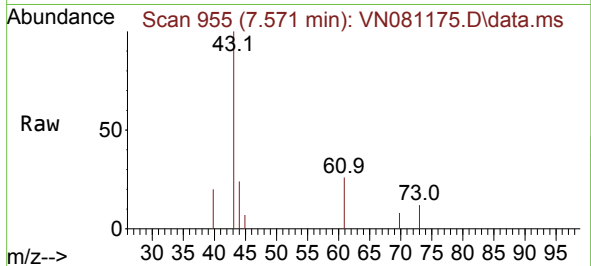




#37
Ethyl Acetate
Concen: 1.859 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

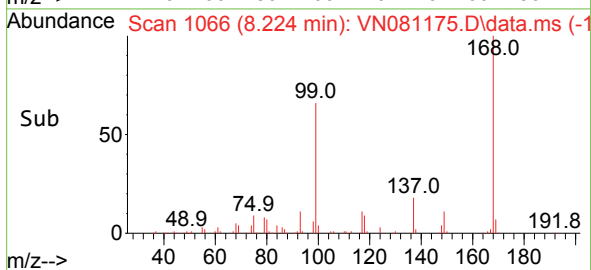
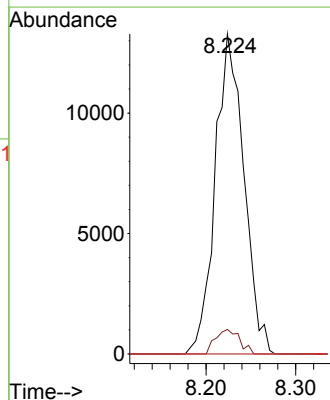
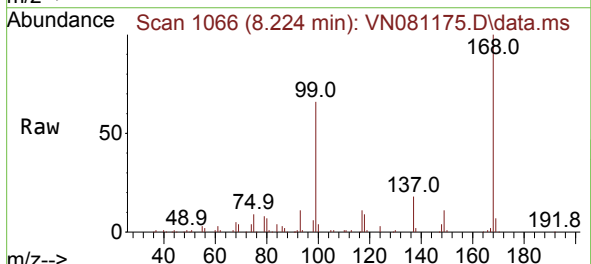
Instrument :
MSVOA_N
ClientSampleId :
SB-5

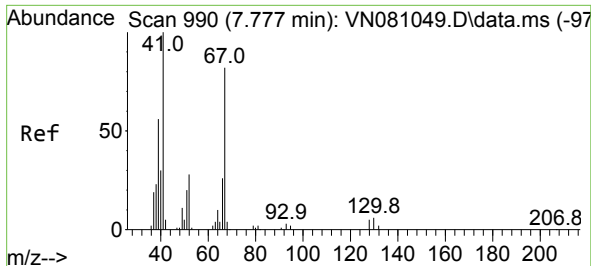
Tgt Ion: 43 Resp: 8662
Ion Ratio Lower Upper
43 100
61 8.1 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.651 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 117 Resp: 29512
Ion Ratio Lower Upper
117 100
119 7.6 73.4 110.2#
121 0.0 24.4 36.6#

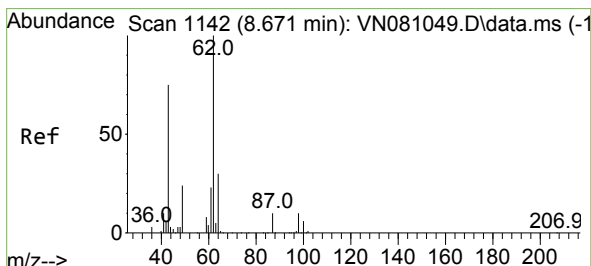
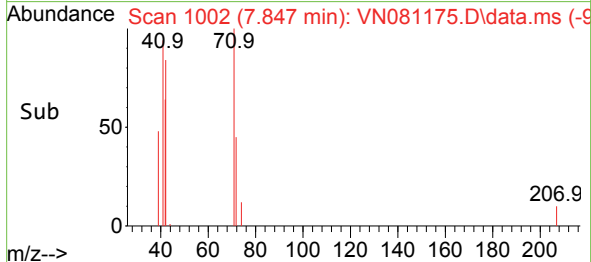
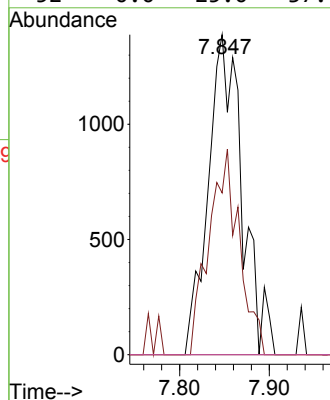
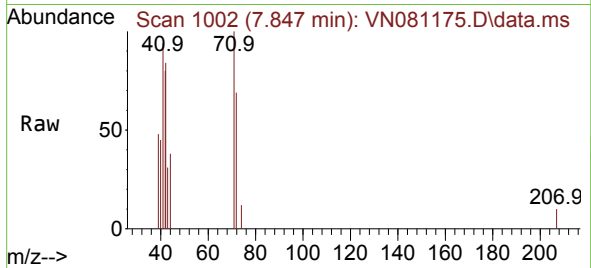




#41
Methacrylonitrile
Concen: 1.384 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

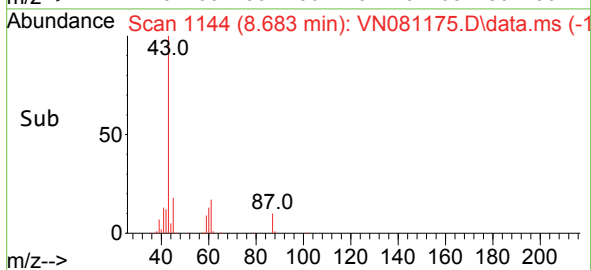
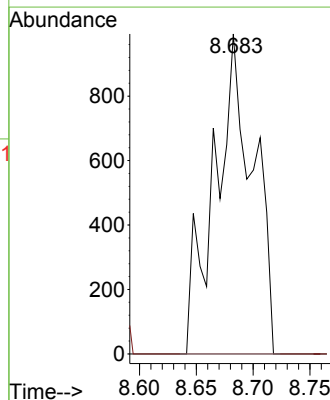
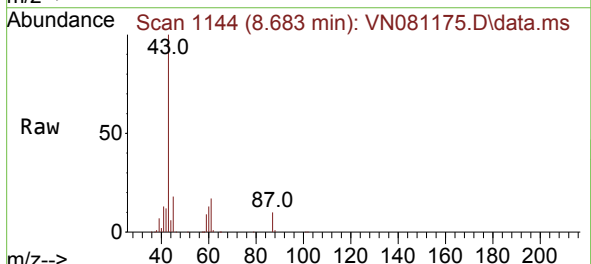
Instrument :
MSVOA_N
ClientSampleId :
SB-5

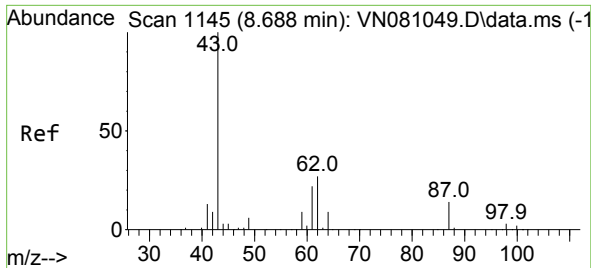
Tgt Ion:	41	Resp:	3670
Ion	Ratio	Lower	Upper
41	100		
39	57.1	48.4	72.6
67	0.0	56.8	85.2#
52	0.0	25.0	37.4#



#42
1,2-Dichloroethane
Concen: 0.451 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion:	62	Resp:	2352
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.0

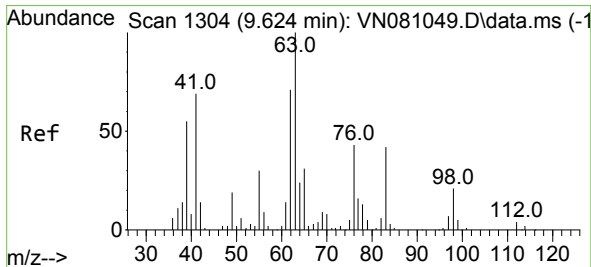
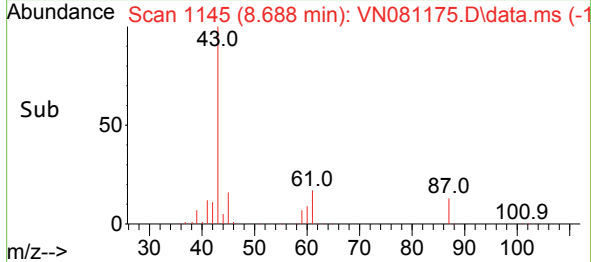
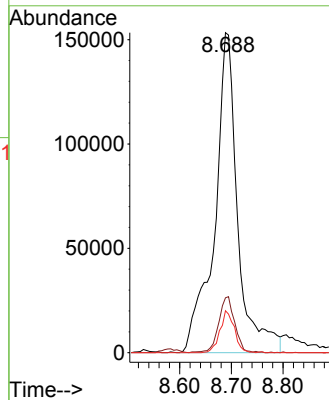
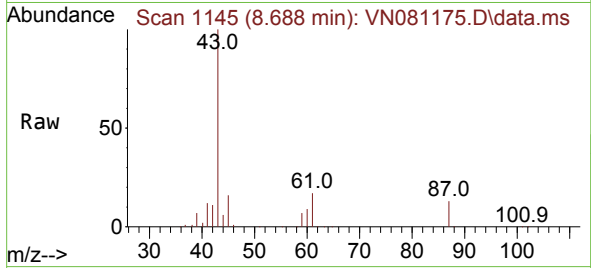




#43
Isopropyl Acetate
Concen: 58.241 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

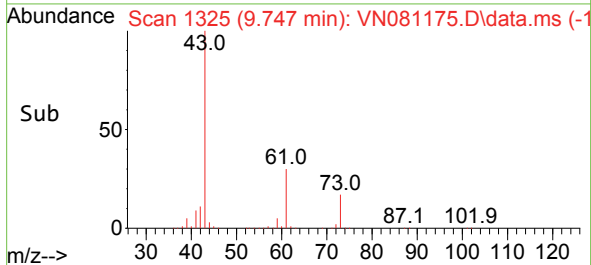
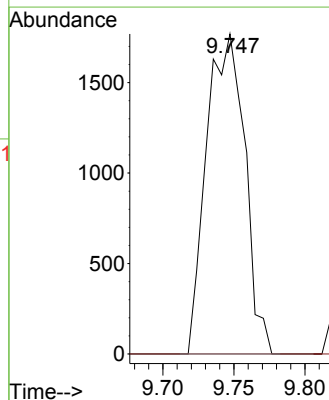
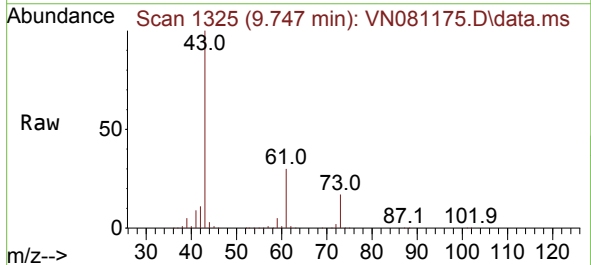
Instrument :
MSVOA_N
ClientSampleId :
SB-5

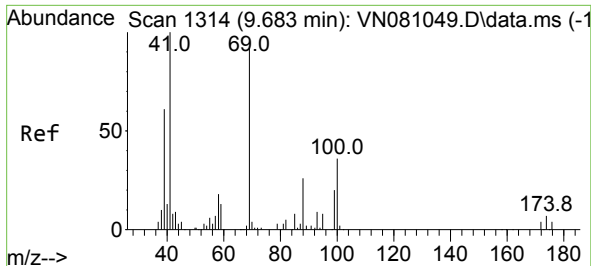
Tgt Ion: 43 Resp: 474512
Ion Ratio Lower Upper
43 100
61 12.3 19.9 29.9#
87 8.2 9.0 13.6#



#45
1,2-Dichloropropane
Concen: 0.889 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 63 Resp: 3323
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

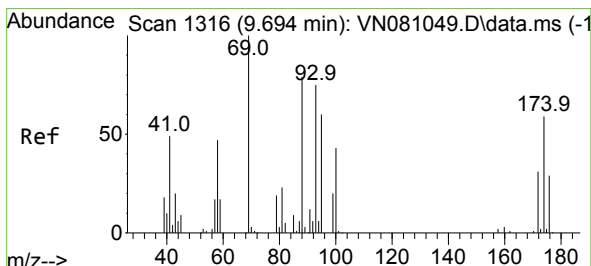
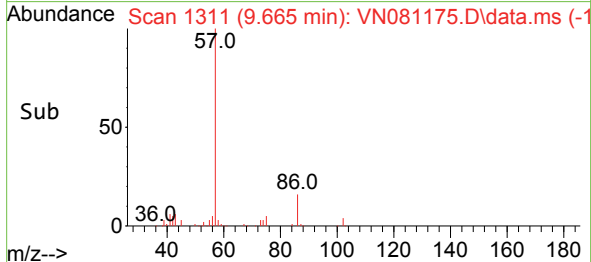
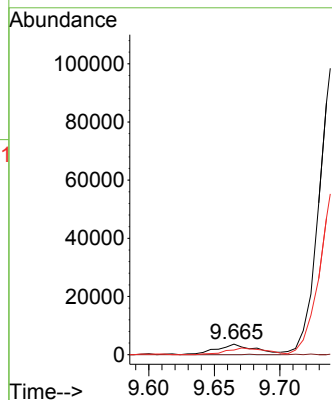
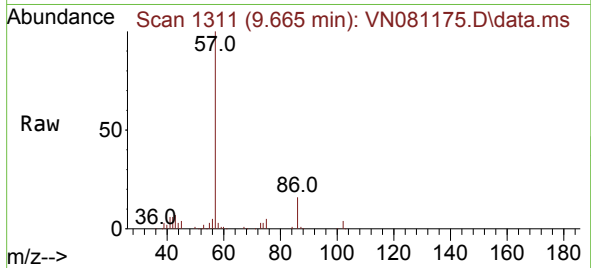




#48
Methyl methacrylate
Concen: 1.985 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

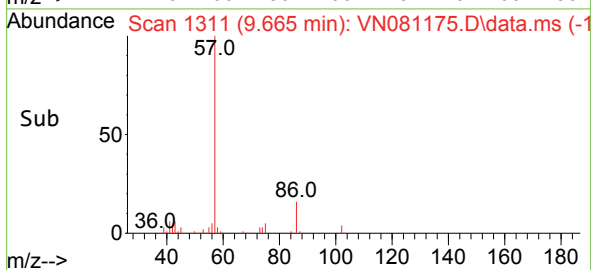
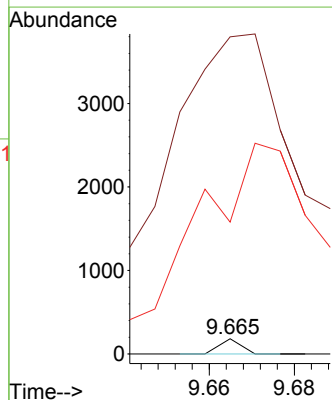
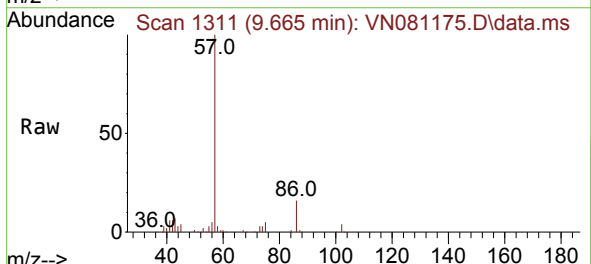
Instrument :
MSVOA_N
ClientSampleId :
SB-5

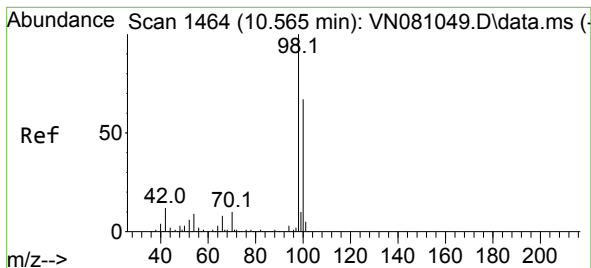
Tgt Ion: 41 Resp: 7524
Ion Ratio Lower Upper
41 100
69 0.7 62.2 93.2#
39 64.6 47.6 71.4



#49
1,4-Dioxane
Concen: Below Cal
RT: 9.665 min Scan# 1311
Delta R.T. -0.029 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 8698.4 63.9 95.9#





#50

Toluene-d8

Concen: 45.425 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081175.D

Acq: 23 Feb 2024 21:45

Instrument :

MSVOA_N

ClientSampleId :

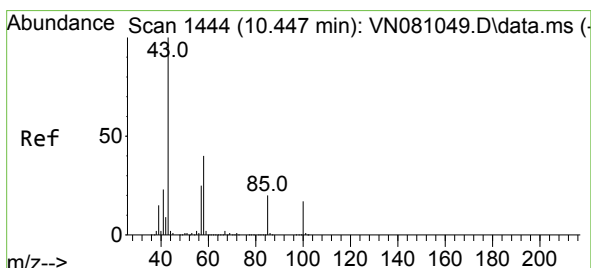
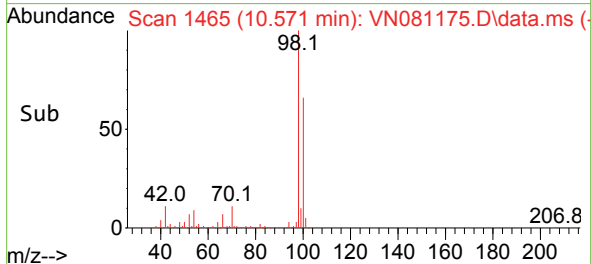
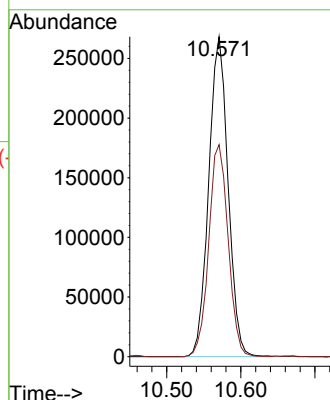
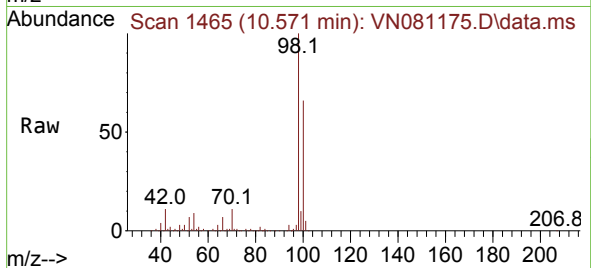
SB-5

Tgt Ion: 98 Resp: 486089

Ion Ratio Lower Upper

98 100

100 66.5 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 2.788 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN081175.D

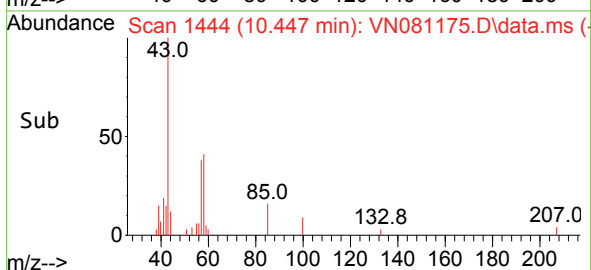
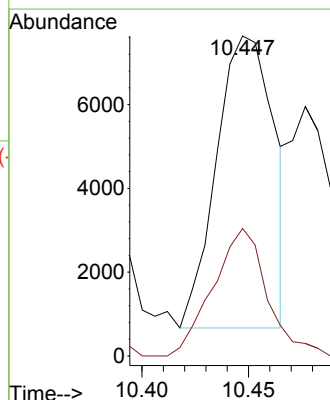
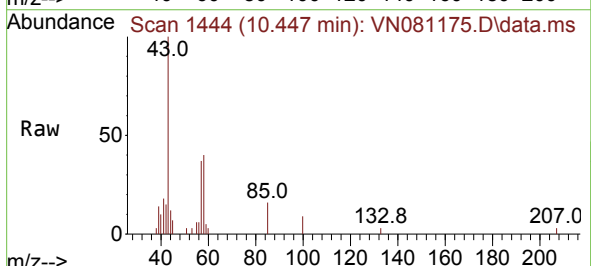
Acq: 23 Feb 2024 21:45

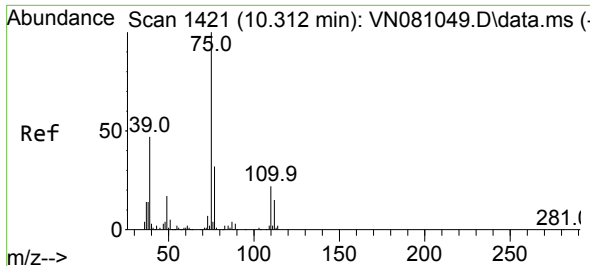
Tgt Ion: 43 Resp: 13069

Ion Ratio Lower Upper

43 100

58 41.1 29.4 44.0

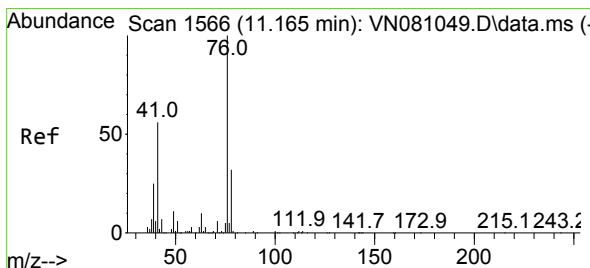
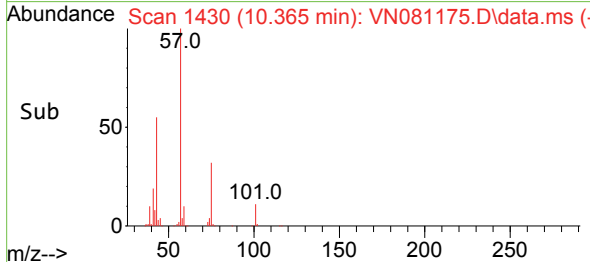
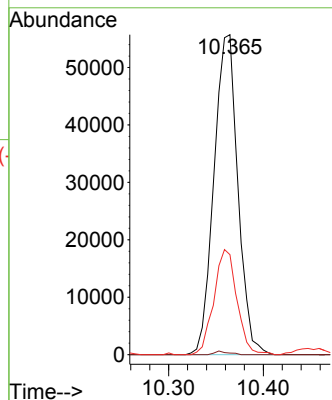
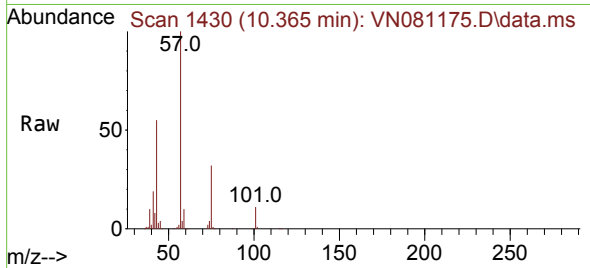




#54
 cis-1,3-Dichloropropene
 Concen: 15.817 ug/l
 RT: 10.365 min Scan# 1421
 Delta R.T. 0.053 min
 Lab File: VN081175.D
 Acq: 23 Feb 2024 21:45

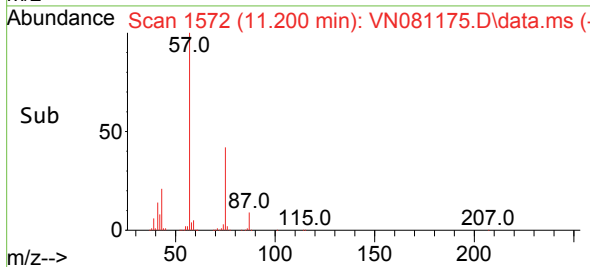
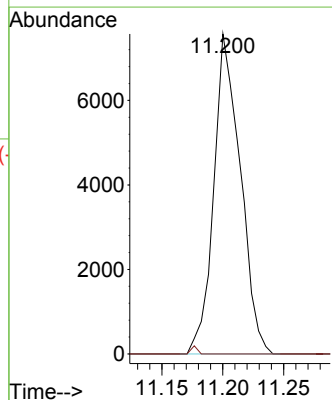
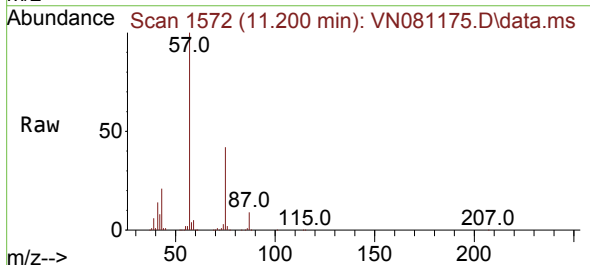
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-5

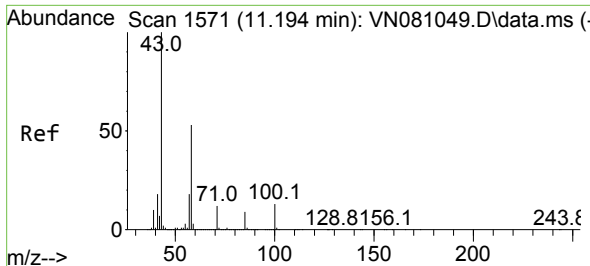
Tgt Ion: 75 Resp: 97940
 Ion Ratio Lower Upper
 75 100
 77 0.5 23.3 34.9#
 39 31.2 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.825 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081175.D
 Acq: 23 Feb 2024 21:45

Tgt Ion: 76 Resp: 11481
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

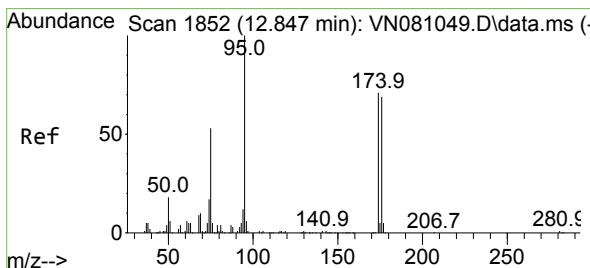
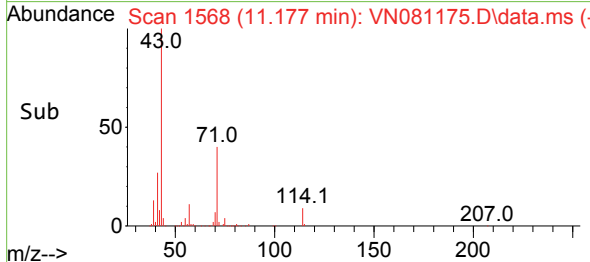
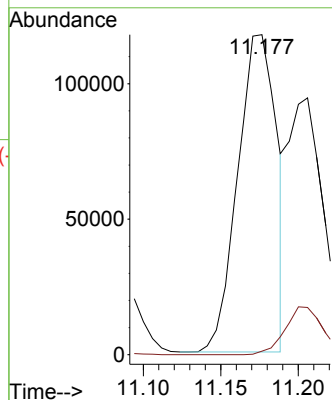
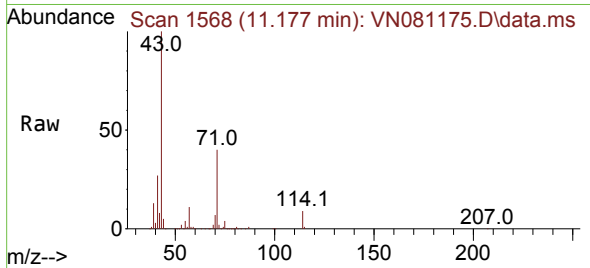




#59
2-Hexanone
Concen: 55.138 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

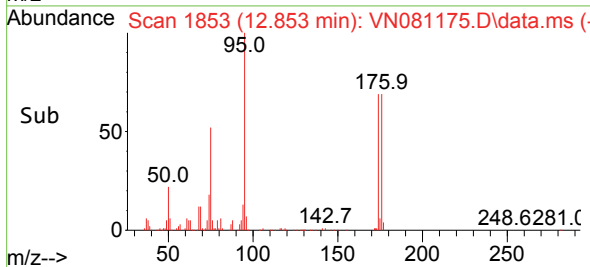
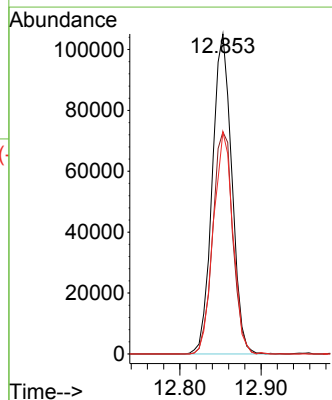
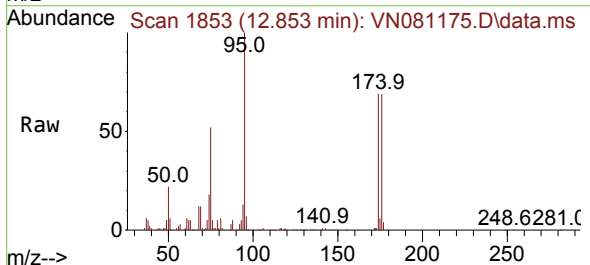
Instrument :
MSVOA_N
ClientSampleId :
SB-5

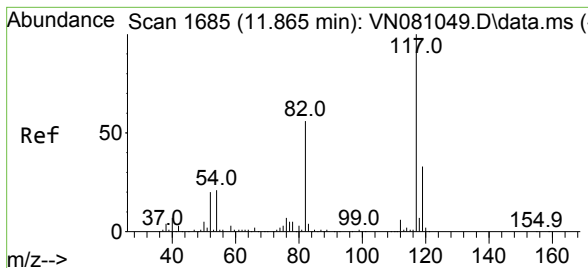
Tgt Ion: 43 Resp: 204877
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 43.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion: 95 Resp: 175088
Ion Ratio Lower Upper
95 100
174 71.6 0.0 120.4
176 69.6 0.0 121.0

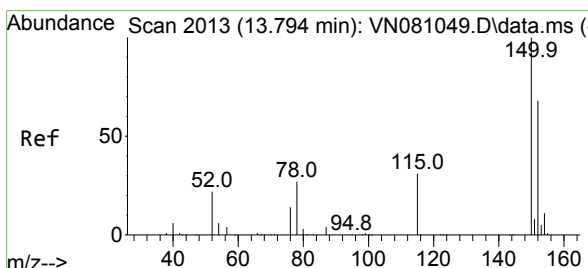
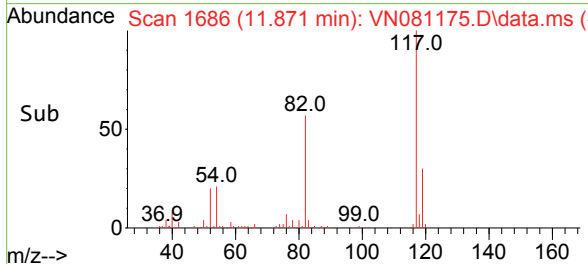
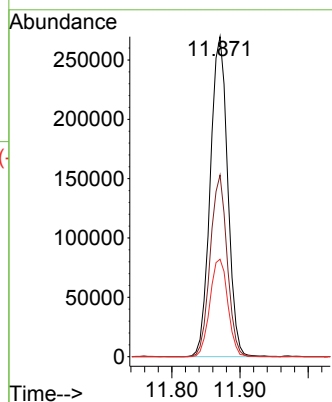
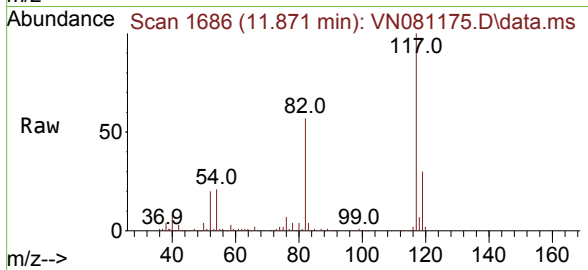




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

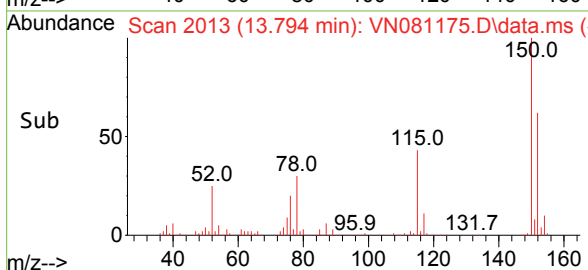
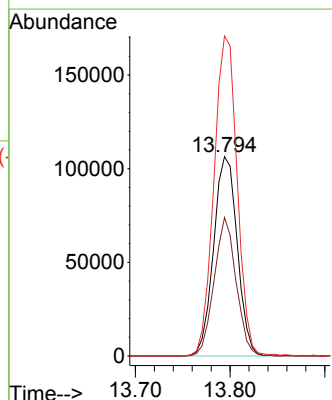
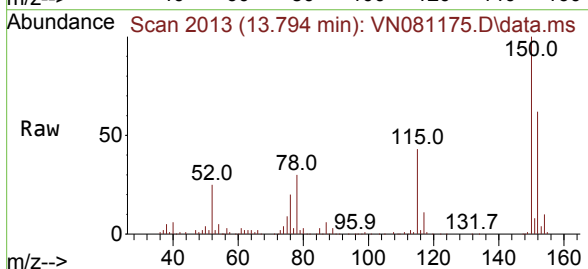
Instrument :
MSVOA_N
ClientSampleId :
SB-5

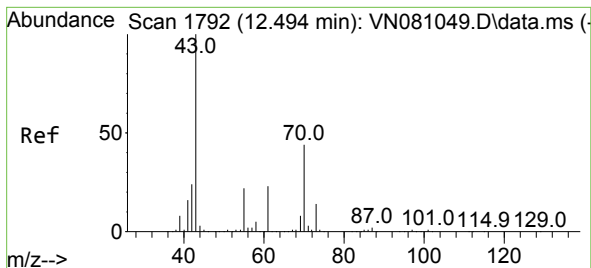
Tgt Ion:117 Resp: 479388
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion:152 Resp: 184679
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 157.9 0.0 339.8





#74

N-amy1 acetate

Concen: 0.223 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN081175.D

Acq: 23 Feb 2024 21:45

Instrument :

MSVOA_N

ClientSampleId :

SB-5

Tgt Ion: 43 Resp: 1521

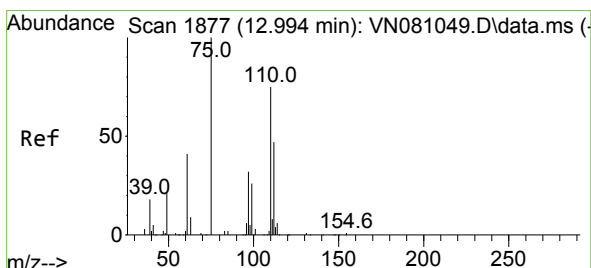
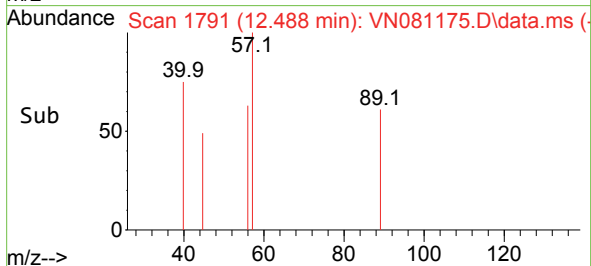
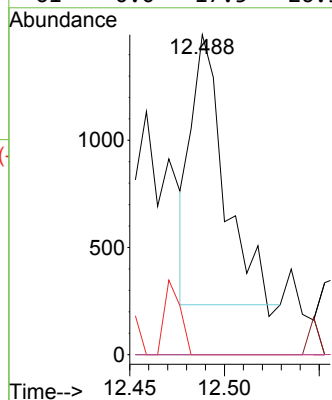
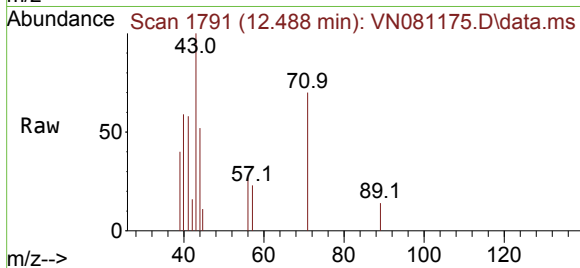
Ion Ratio Lower Upper

43 100

70 0.0 30.1 45.1#

55 13.3 17.0 25.4#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 22.371 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081175.D

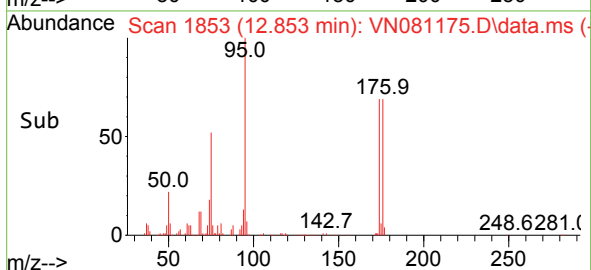
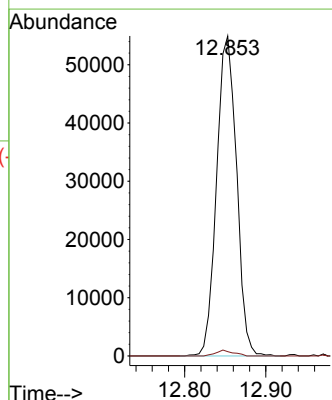
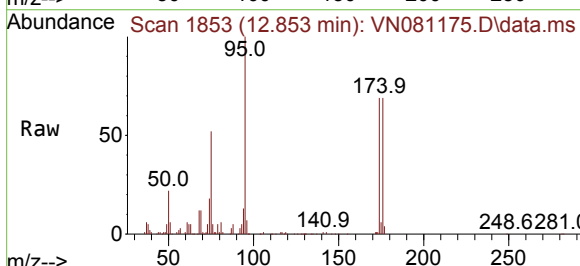
Acq: 23 Feb 2024 21:45

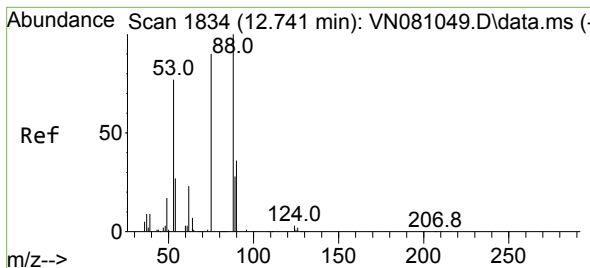
Tgt Ion: 75 Resp: 93871

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#

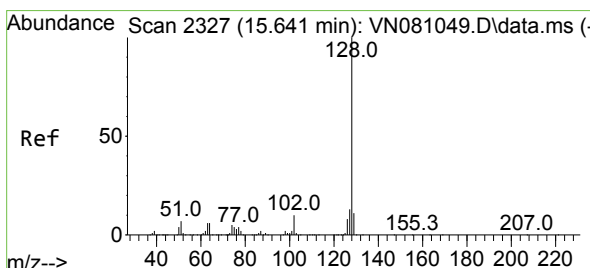
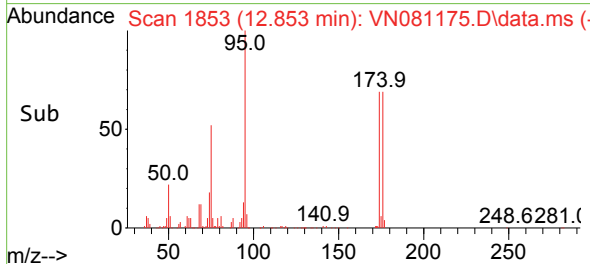
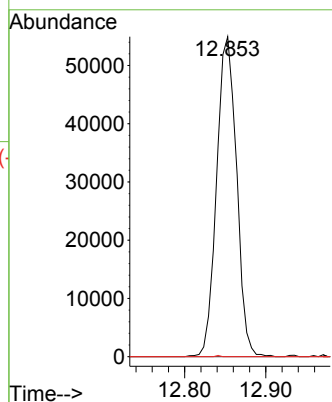
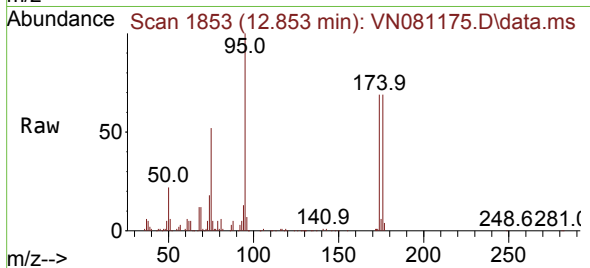




#81
trans-1,4-Dichloro-2-butene
Concen: 57.582 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Instrument :
MSVOA_N
ClientSampleId :
SB-5

Tgt Ion: 75 Resp: 93871
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#



#95
Naphthalene
Concen: 0.456 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081175.D
Acq: 23 Feb 2024 21:45

Tgt Ion:128 Resp: 6117
Ion Ratio Lower Upper
128 100
127 19.2 10.0 15.0#
129 14.2 8.7 13.1#

