

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079470.D
 Acq On : 09 Oct 2023 14:23
 Operator : JC\MD
 Sample : 04765-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:15:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

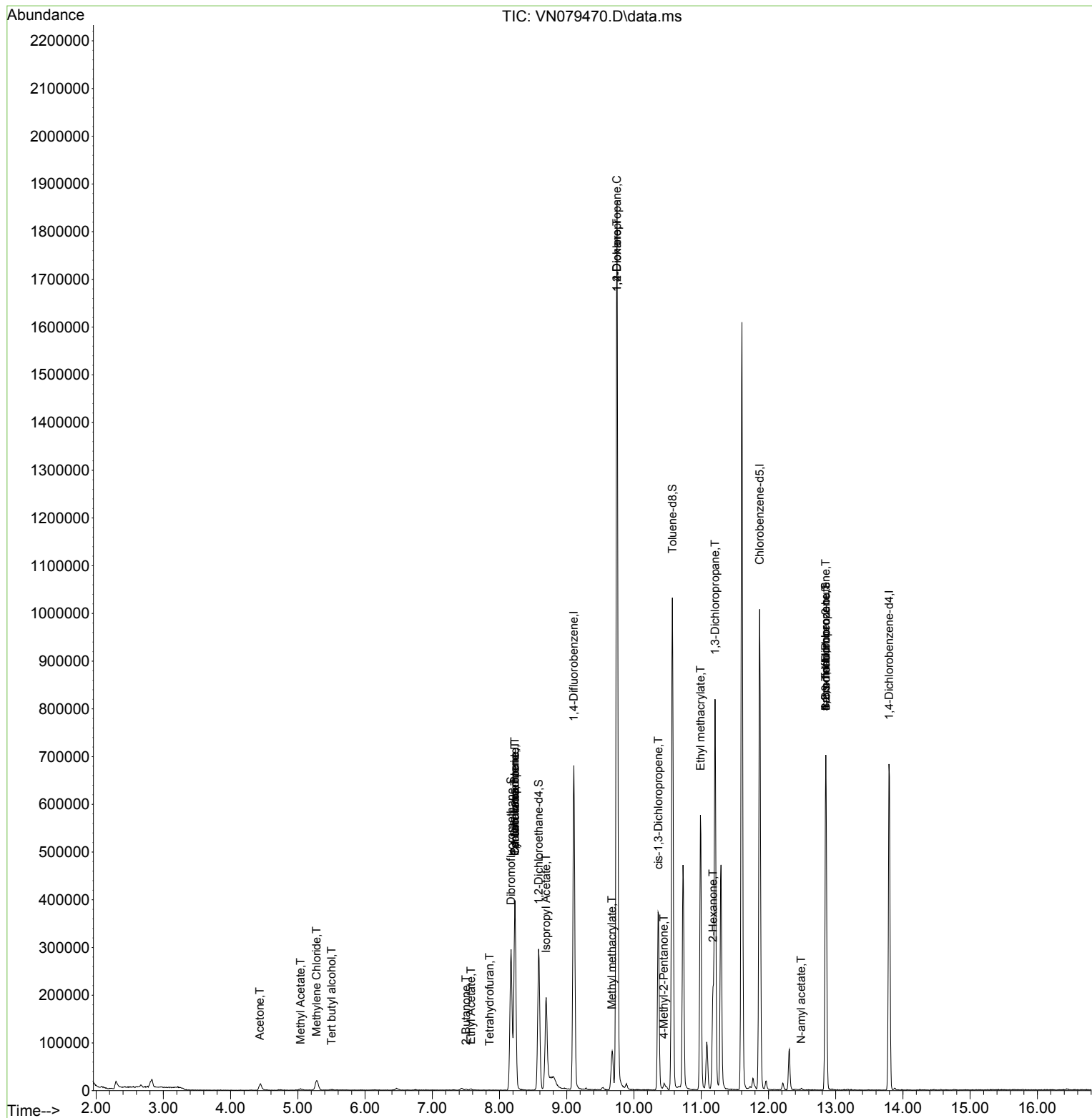
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	268589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	179255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	234299	53.800	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.600%	
35) Dibromofluoromethane	8.171	113	206555	51.547	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.100%	
50) Toluene-d8	10.571	98	688265	47.470	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.940%	
62) 4-Bromofluorobenzene	12.853	95	233128	50.102	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.500	59	535	0.816	ug/l #	72
16) Acetone	4.436	43	25842	14.961	ug/l	100
18) Methyl Acetate	5.042	43	4944	0.585	ug/l #	83
20) Methylene Chloride	5.277	84	16115	3.703	ug/l #	88
25) 2-Butanone	7.500	43	3196	1.247	ug/l #	72
29) Tetrahydrofuran	7.853	42	458	0.276	ug/l #	20
31) Cyclohexane	8.230	56	7182	1.163	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	25798	4.290	ug/l #	47
37) Ethyl Acetate	7.577	43	4843	0.809	ug/l #	73
38) Carbon Tetrachloride	8.230	117	28747	4.775	ug/l #	17
43) Isopropyl Acetate	8.694	43	239591	22.852	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	2497	0.531	ug/l #	45
48) Methyl methacrylate	9.671	41	5492	1.222	ug/l #	31
49) 1,4-Dioxane	9.747	88	112	1.353	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	14990	2.533	ug/l #	63
54) cis-1,3-Dichloropropene	10.365	75	64272	9.293	ug/l #	73
56) Ethyl methacrylate	10.988	69	2927	0.505	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7669	1.052	ug/l #	42
59) 2-Hexanone	11.176	43	151903	35.568	ug/l #	19
71) Bromoform	12.853	173	2065	0.621	ug/l #	1
74) N-amyl acetate	12.488	43	1817	0.266	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.847	83	158	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	127196	24.610	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	127196	71.408	ug/l #	15

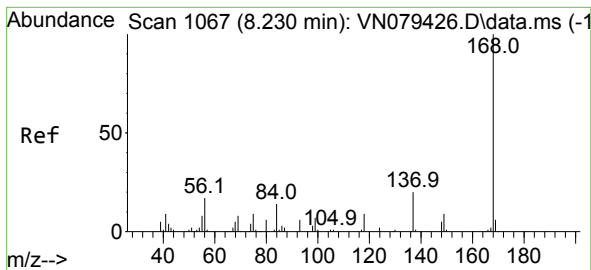
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 06 03:34:49 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Instrument :

MSVOA_N

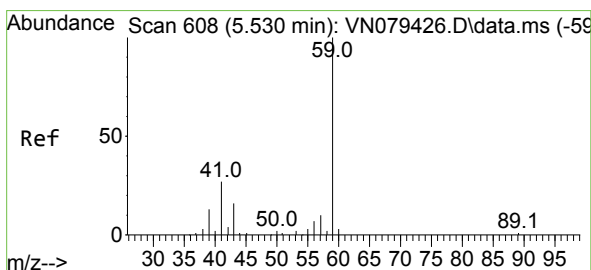
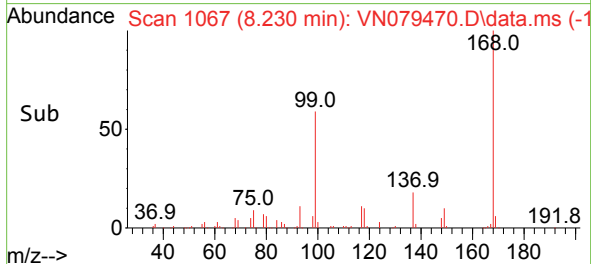
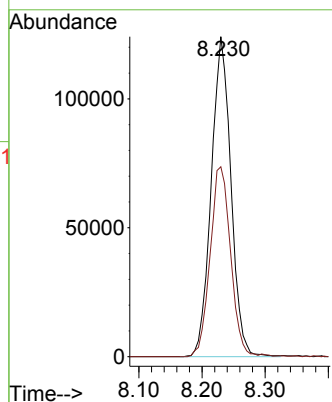
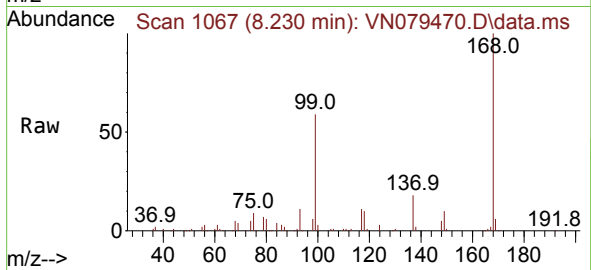
ClientSampleId :

Tgt Ion:168 Resp: 268589

Ion Ratio Lower Upper

168 100

99 59.3 53.0 79.6



#11

Tert butyl alcohol

Concen: 0.816 ug/l

RT: 5.500 min Scan# 603

Delta R.T. -0.030 min

Lab File: VN079470.D

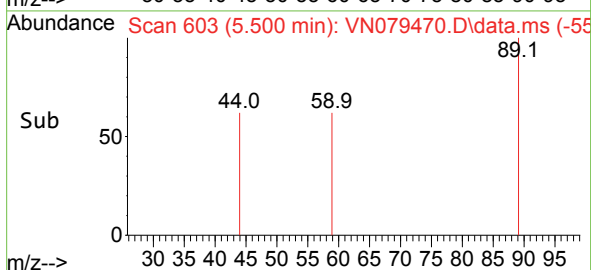
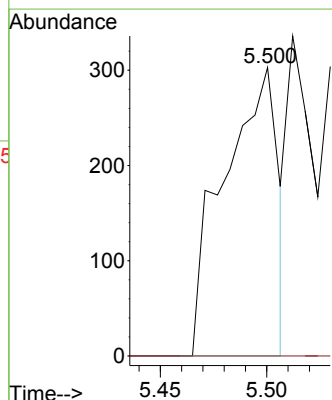
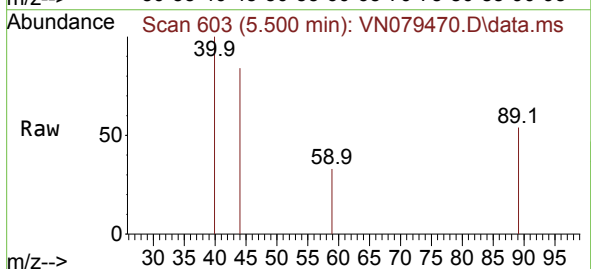
Acq: 09 Oct 2023 14:23

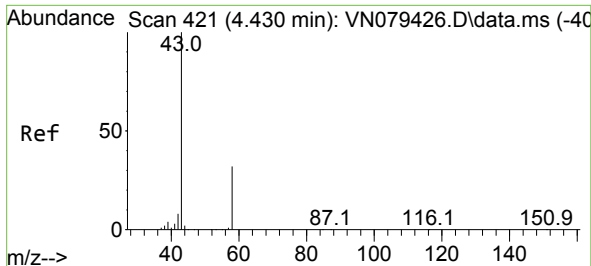
Tgt Ion: 59 Resp: 535

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

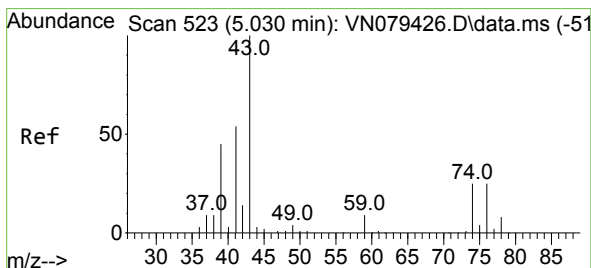
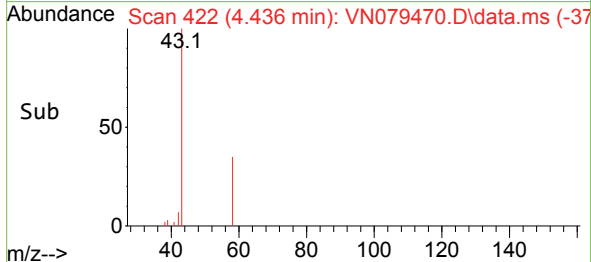
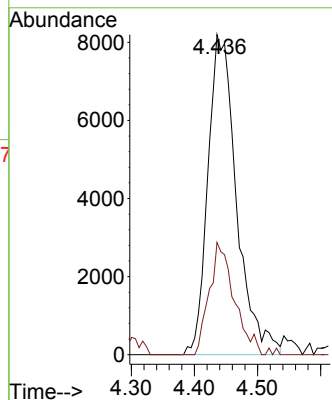
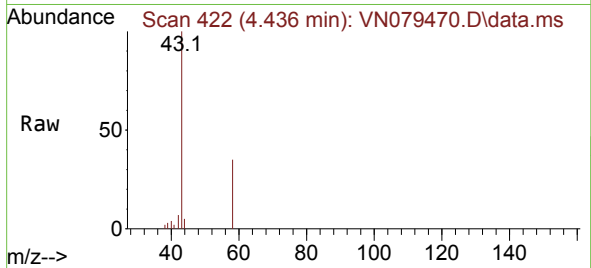




#16
Acetone
Concen: 14.961 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

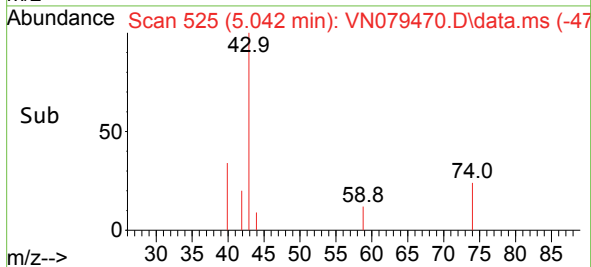
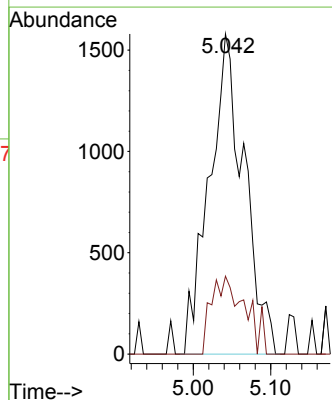
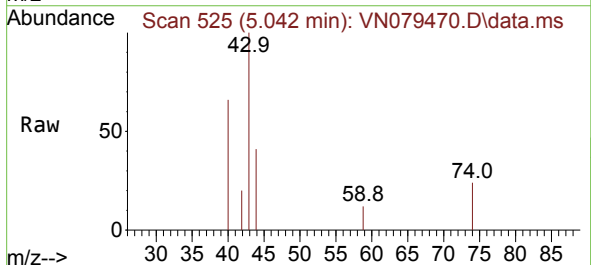
Instrument :
MSVOA_N
ClientSampleId :

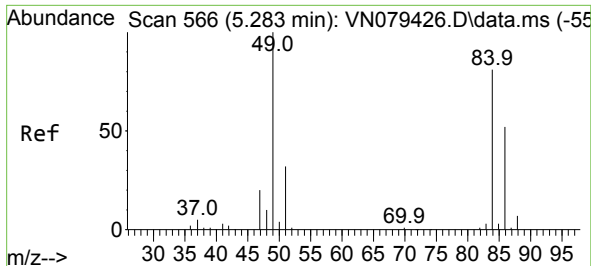
Tgt Ion: 43 Resp: 25842
Ion Ratio Lower Upper
43 100
58 35.0 28.0 42.0



#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

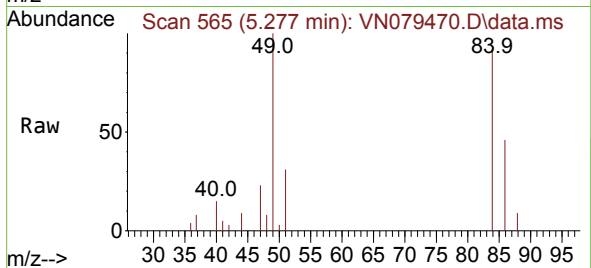
Tgt Ion: 43 Resp: 4944
Ion Ratio Lower Upper
43 100
74 23.5 26.2 39.4#



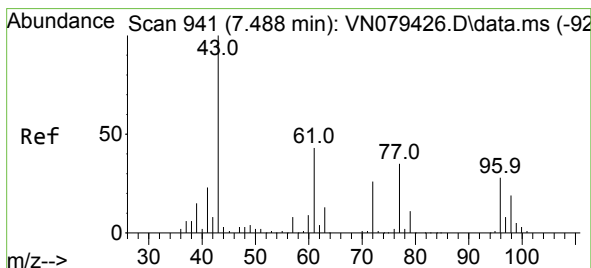
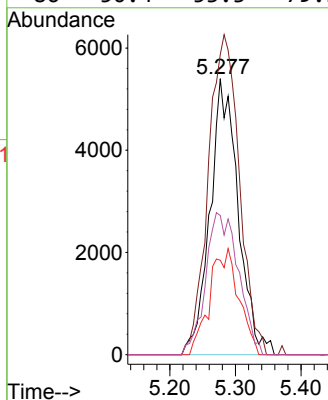
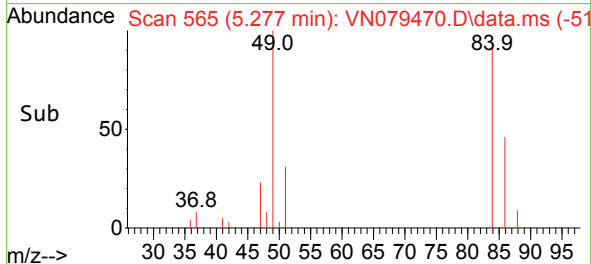


#20
Methylene Chloride
Concen: 3.703 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

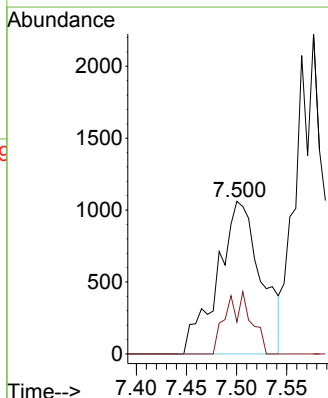
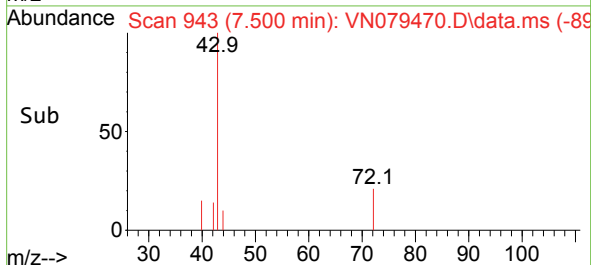
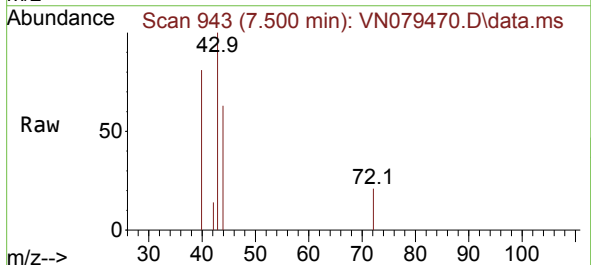


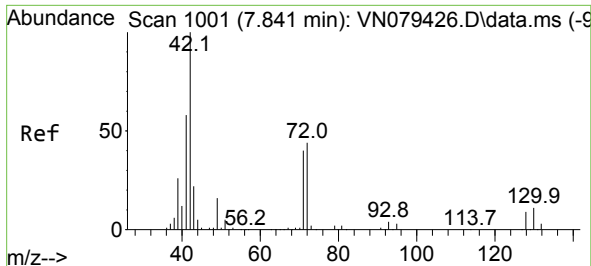
Tgt Ion: 84 Resp: 16115
Ion Ratio Lower Upper
84 100
49 108.7 79.7 119.5
51 34.2 25.2 37.8
86 50.4 53.3 79.9#



#25
2-Butanone
Concen: 1.247 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 43 Resp: 3196
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.276 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

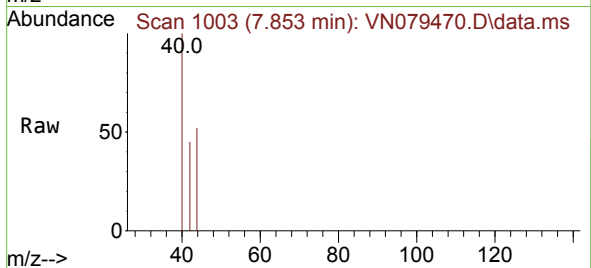
Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

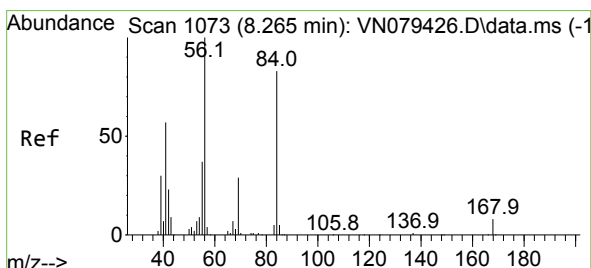
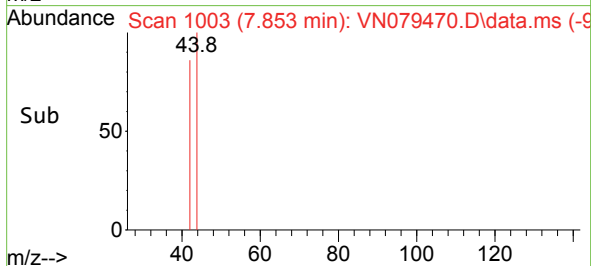
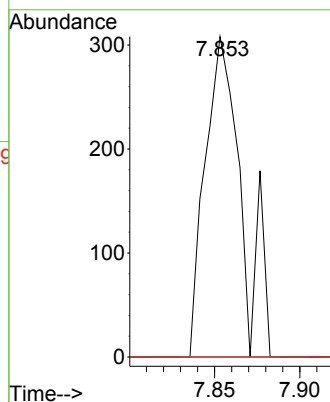
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	458
Ion Ratio	Lower	Upper	
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.163 ug/l

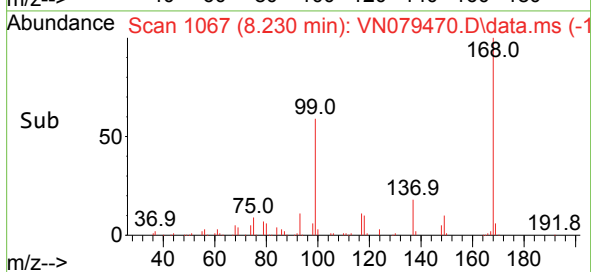
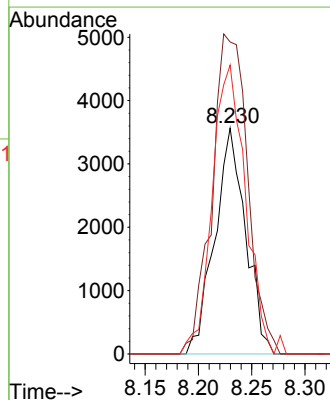
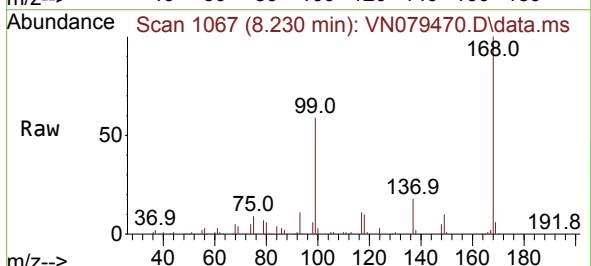
RT: 8.230 min Scan# 1067

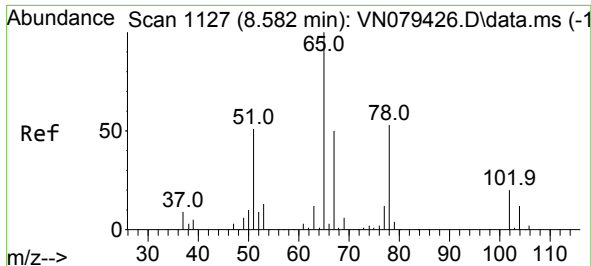
Delta R.T. -0.035 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Tgt Ion:	56	Resp:	7182
Ion Ratio	Lower	Upper	
56	100		
69	138.2	26.8	40.2#
84	128.0	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.800 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Instrument :

MSVOA_N

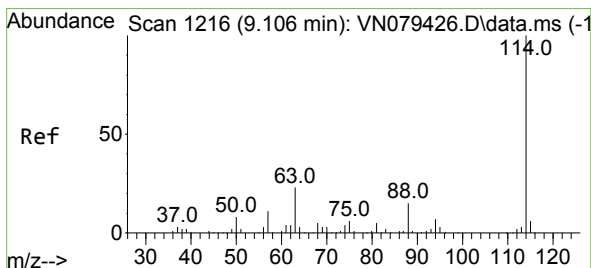
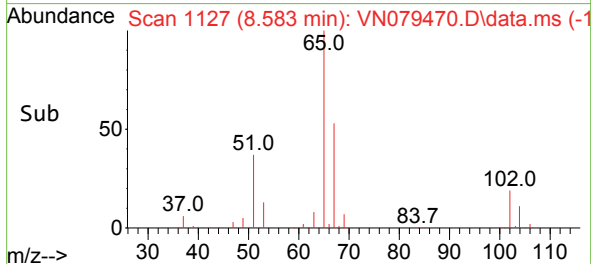
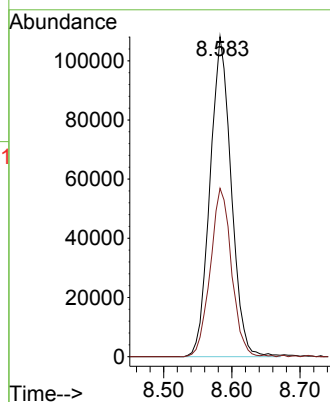
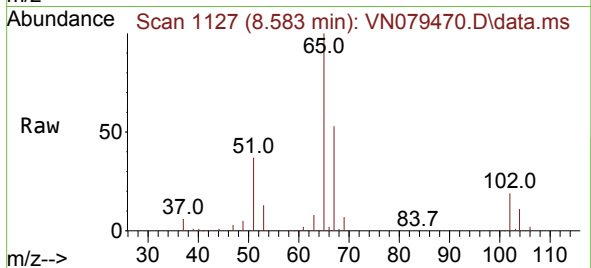
ClientSampleId :

Tgt Ion: 65 Resp: 234299

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

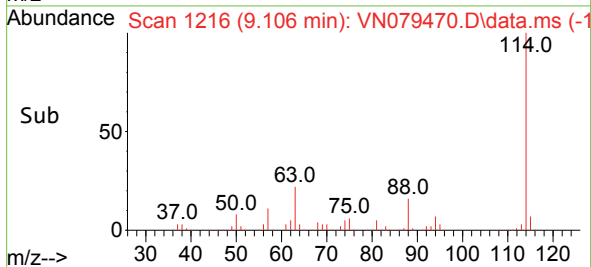
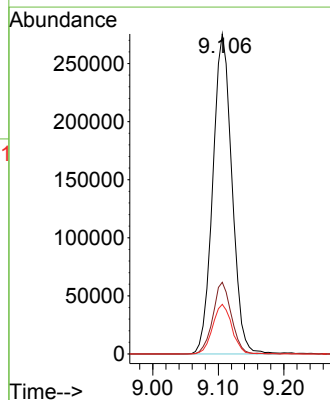
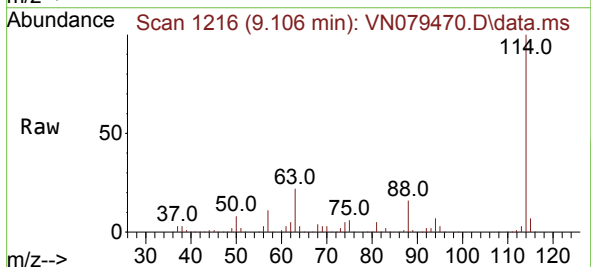
Tgt Ion: 114 Resp: 557604

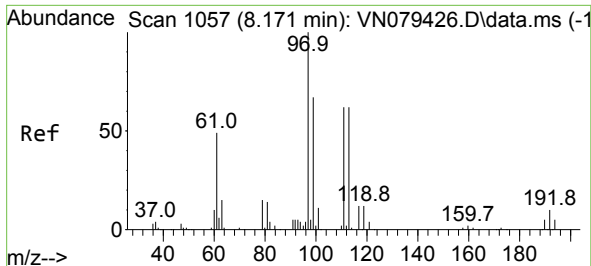
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.547 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

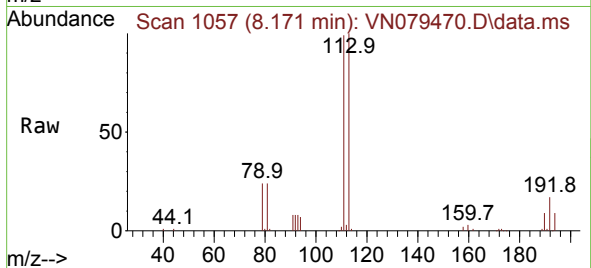
Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :



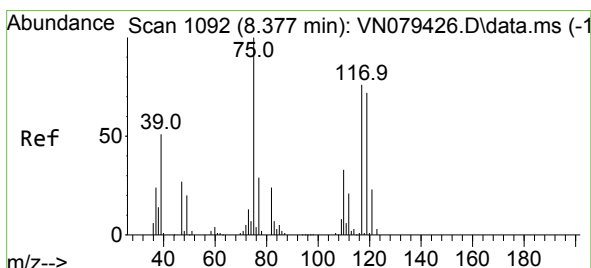
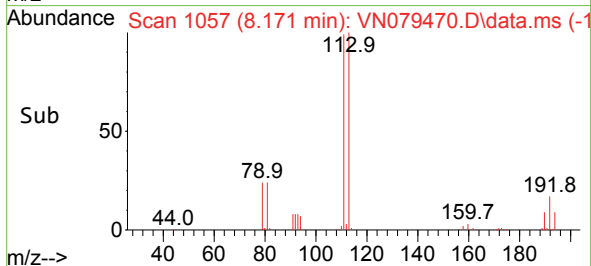
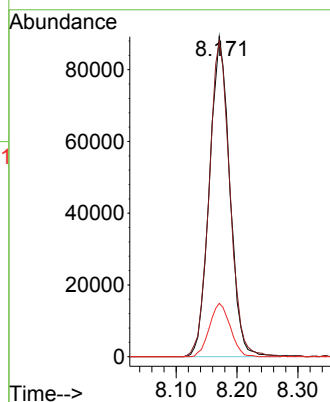
Tgt Ion:113 Resp: 206555

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.290 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

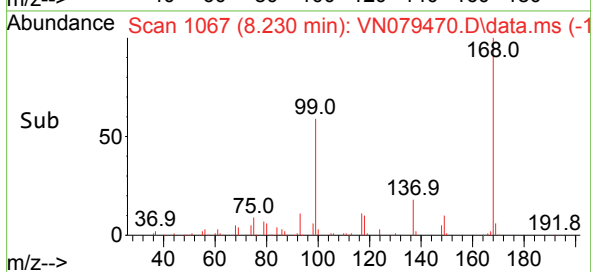
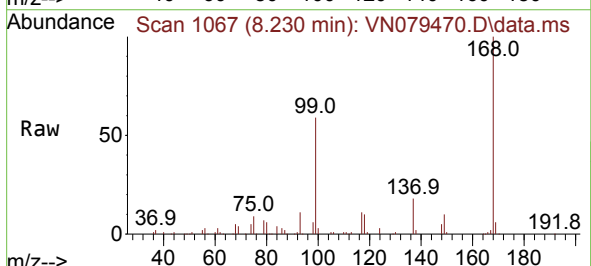
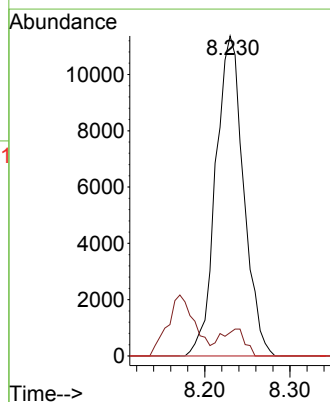
Tgt Ion: 75 Resp: 25798

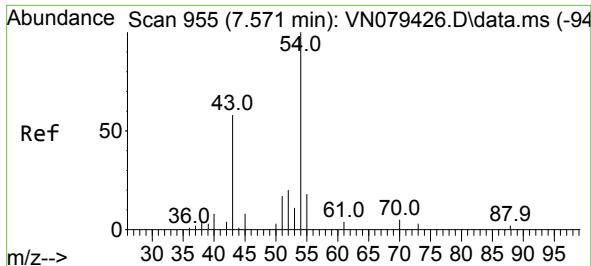
Ion Ratio Lower Upper

75 100

110 7.5 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.809 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

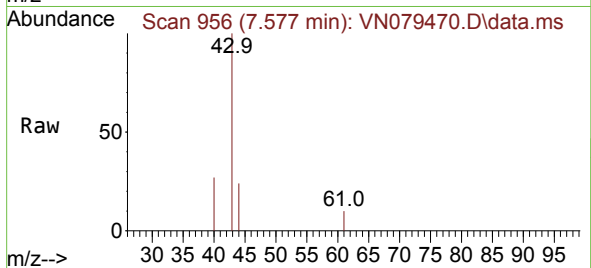
Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

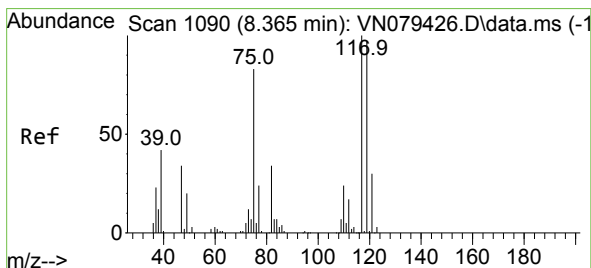
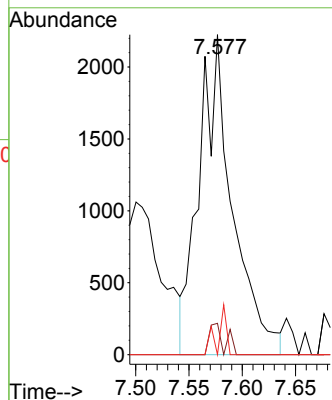
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4843
Ion	Ratio	Lower	Upper
43	100		
61	4.4	13.2	19.8#
70	4.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.775 ug/l

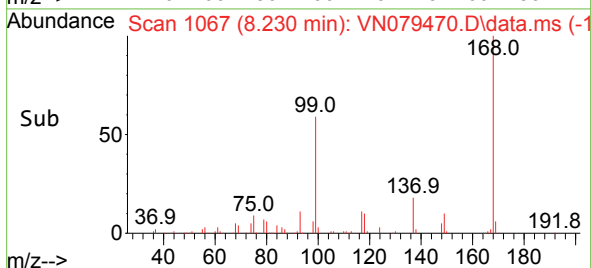
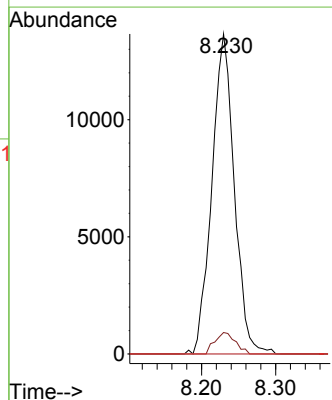
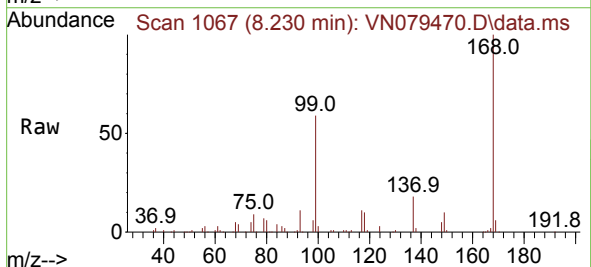
RT: 8.230 min Scan# 1067

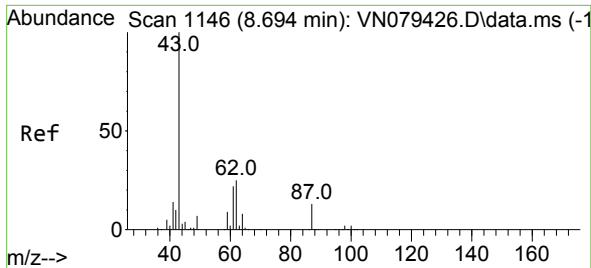
Delta R.T. -0.135 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Tgt Ion:	117	Resp:	28747
Ion	Ratio	Lower	Upper
117	100		
119	6.7	77.3	115.9#
121	0.0	23.3	34.9#

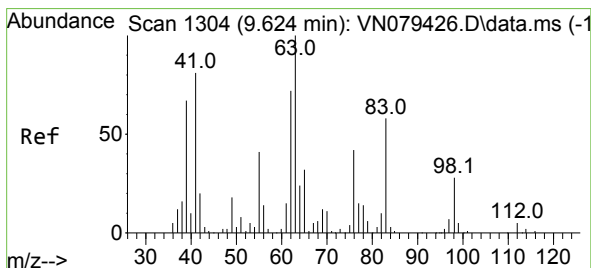
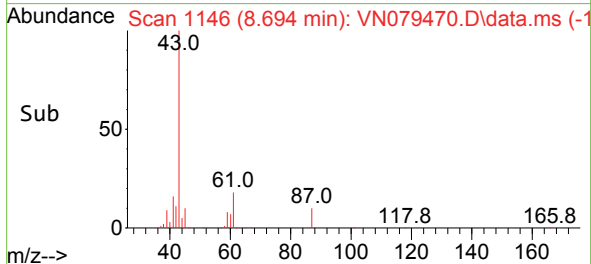
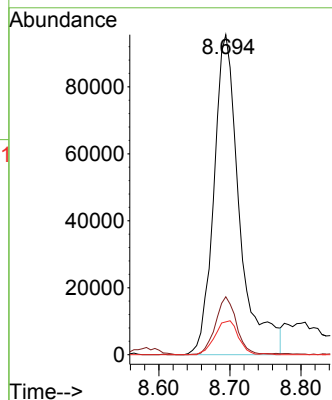
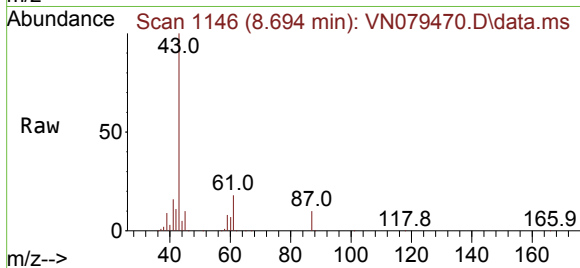




#43
Isopropyl Acetate
Concen: 22.852 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

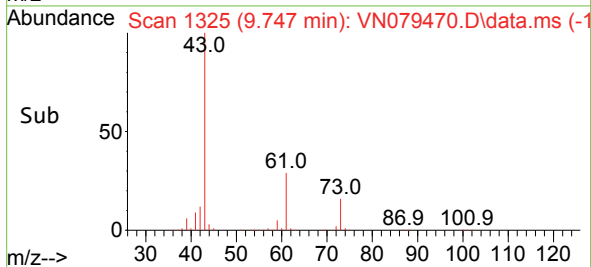
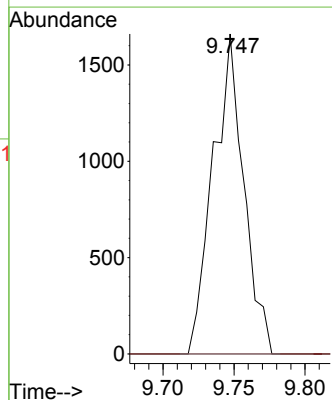
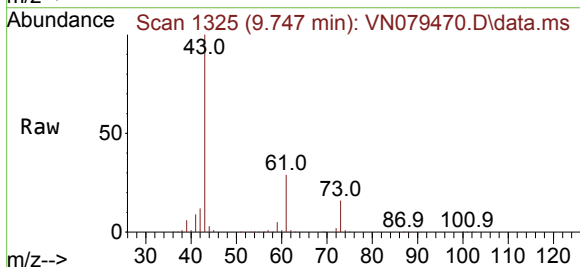
Instrument :
MSVOA_N
ClientSampleId :

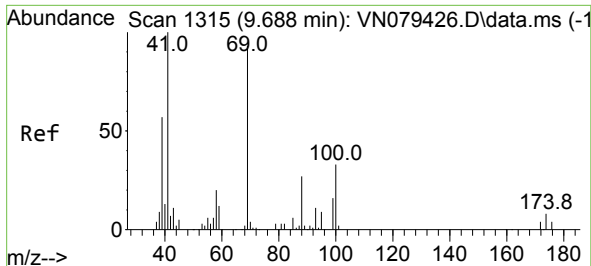
Tgt Ion: 43 Resp: 239591
Ion Ratio Lower Upper
43 100
61 14.8 24.7 37.1#
87 9.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.531 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

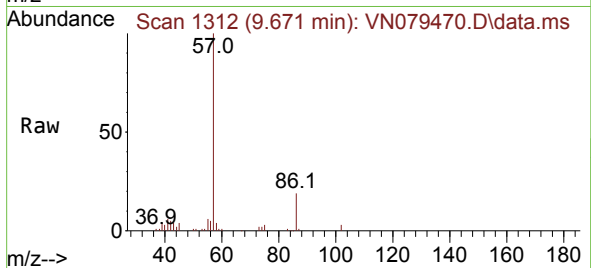
Tgt Ion: 63 Resp: 2497
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



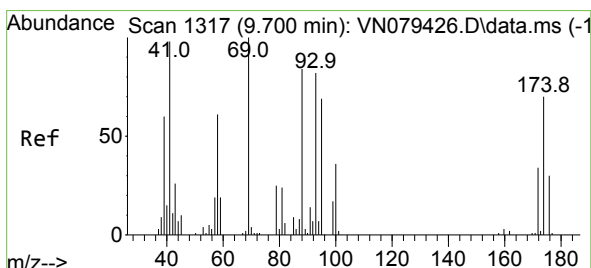
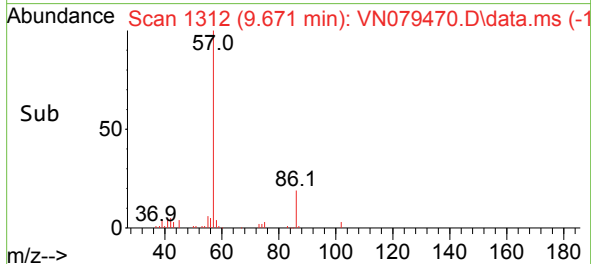
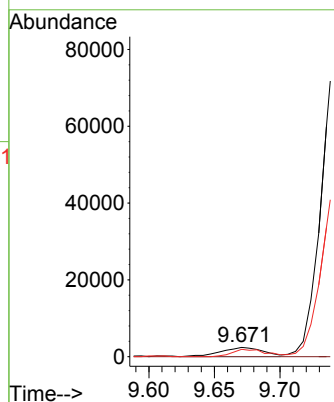


#48
Methyl methacrylate
Concen: 1.222 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

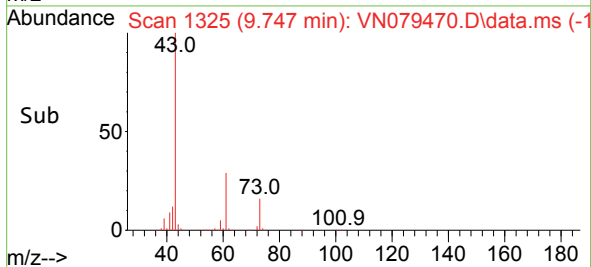
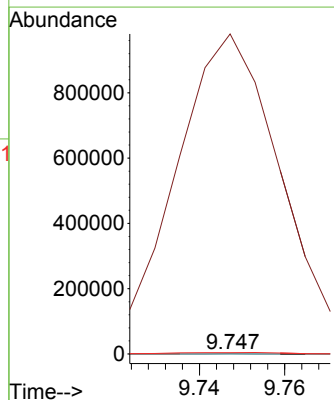
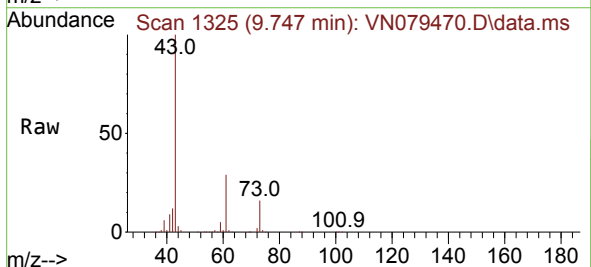


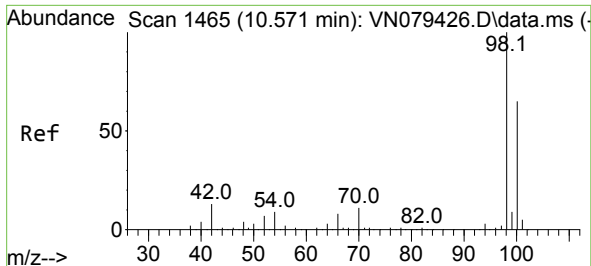
Tgt Ion: 41 Resp: 5492
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.9 54.6 81.8



#49
1,4-Dioxane
Concen: 1.353 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 1556602.7 17.0 25.6#
58 7562.5 47.0 70.4#

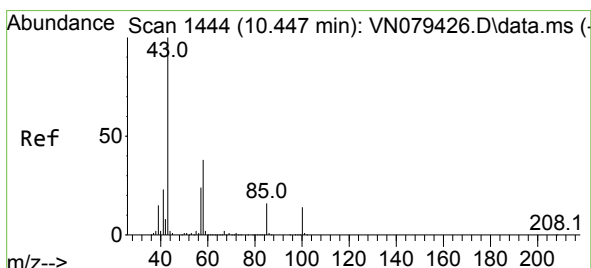
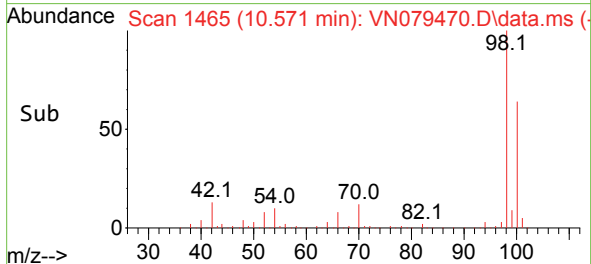
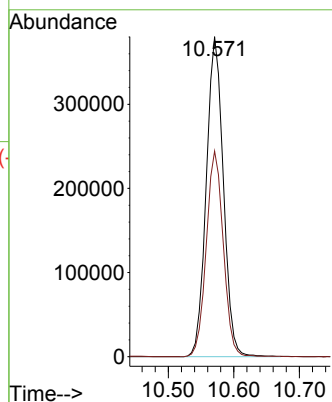
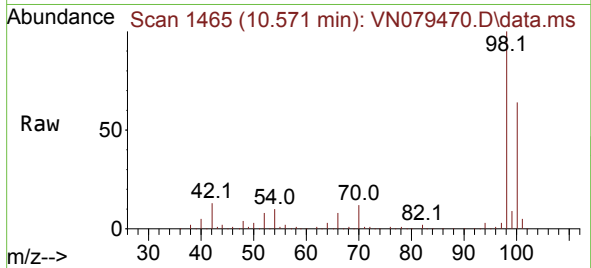




#50
Toluene-d8
Concen: 47.470 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

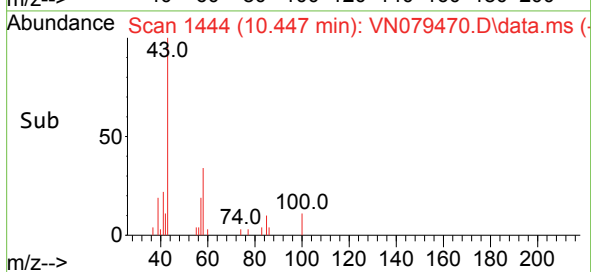
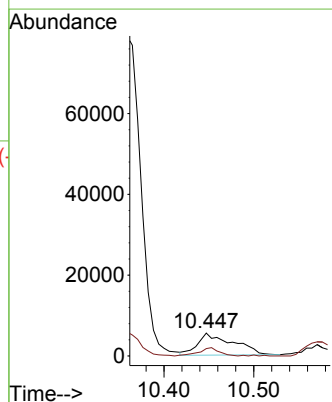
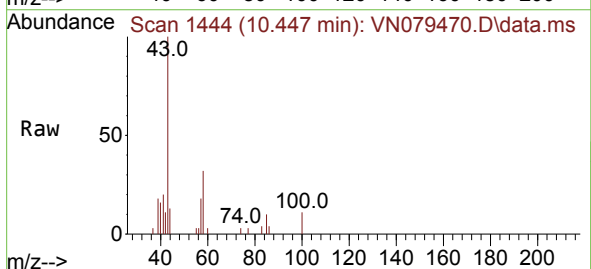
Instrument :
MSVOA_N
ClientSampleId :

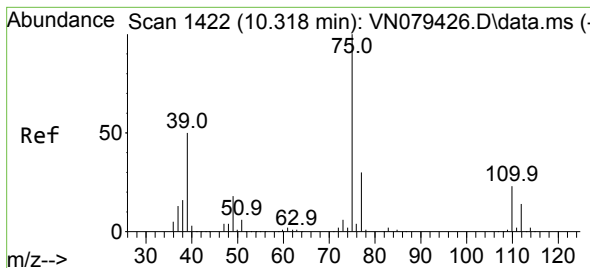
Tgt Ion: 98 Resp: 688265
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.533 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 43 Resp: 14990
Ion Ratio Lower Upper
43 100
58 21.6 36.6 54.8#

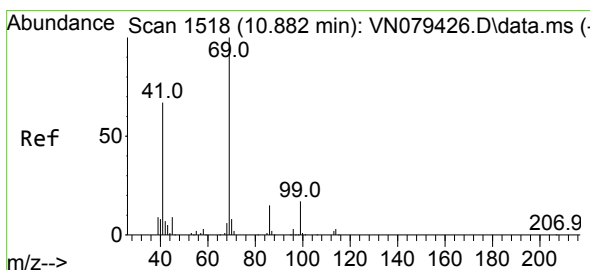
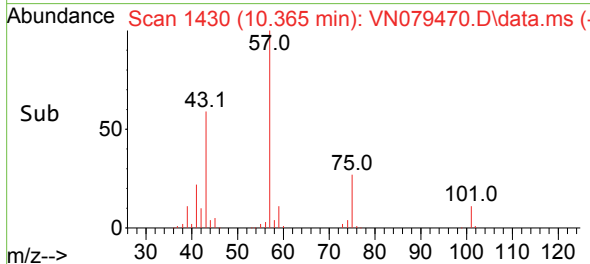
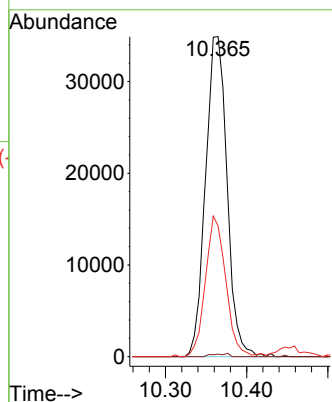
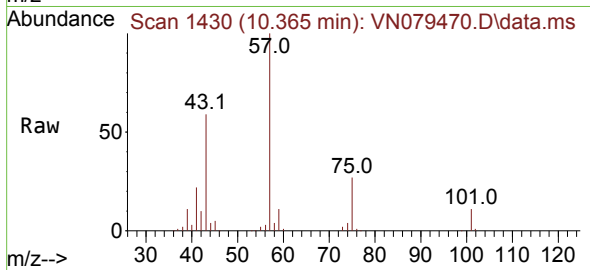




#54
 cis-1,3-Dichloropropene
 Concen: 9.293 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079470.D
 Acq: 09 Oct 2023 14:23

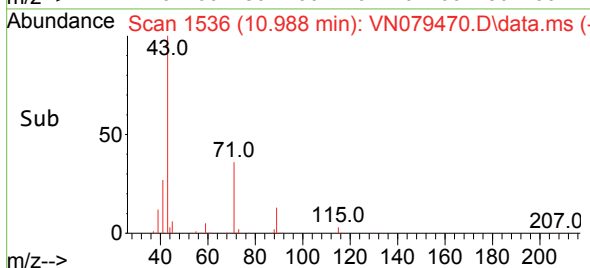
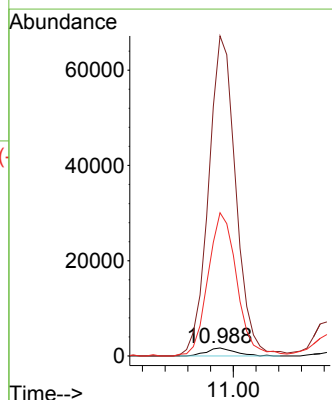
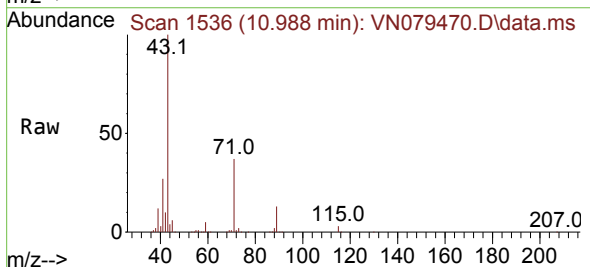
Instrument :
 MSVOA_N
 ClientSampleId :

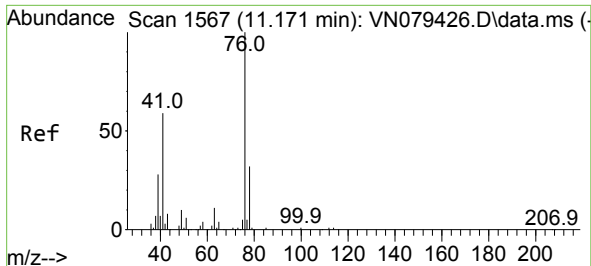
Tgt Ion: 75 Resp: 64272
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 40.8 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.505 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079470.D
 Acq: 09 Oct 2023 14:23

Tgt Ion: 69 Resp: 2927
 Ion Ratio Lower Upper
 69 100
 41 3832.1 39.6 59.4#
 39 1813.3 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.052 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.035 min

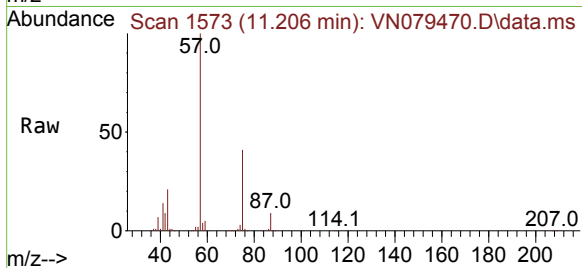
Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

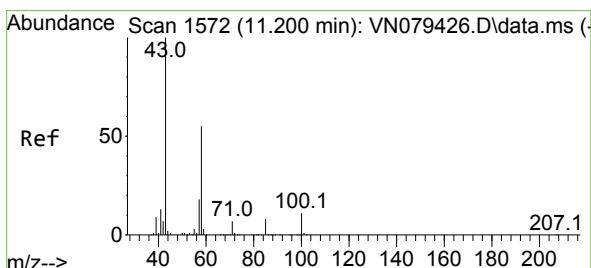
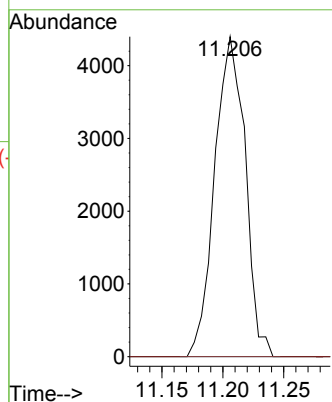
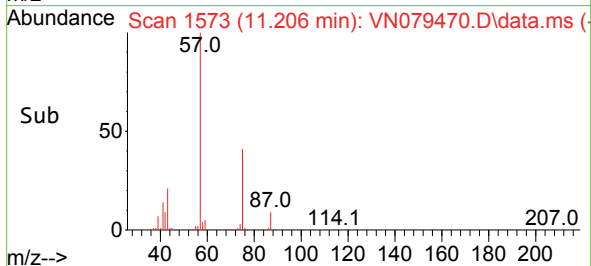


Tgt Ion: 76 Resp: 7669

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.568 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079470.D

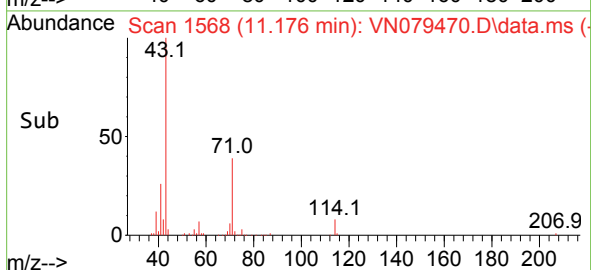
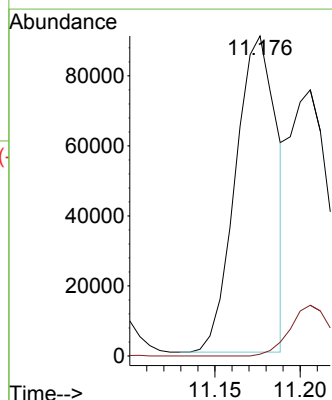
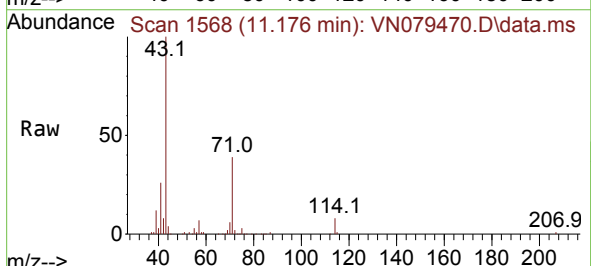
Acq: 09 Oct 2023 14:23

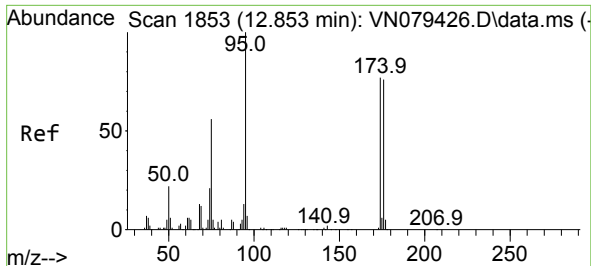
Tgt Ion: 43 Resp: 151903

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

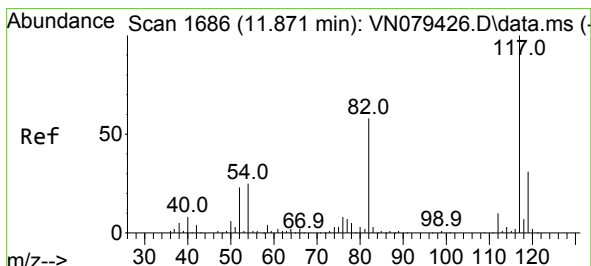
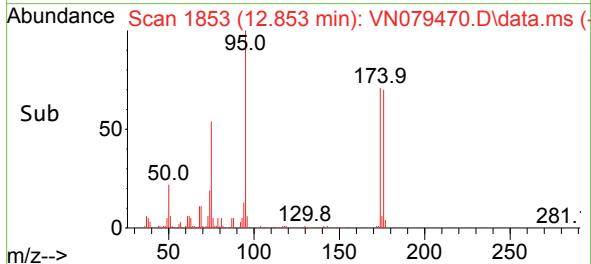
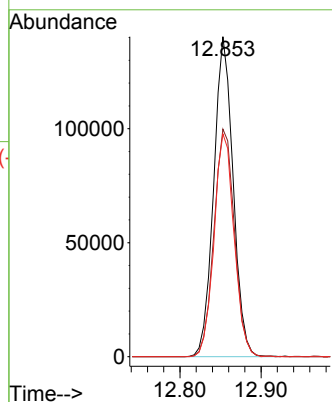
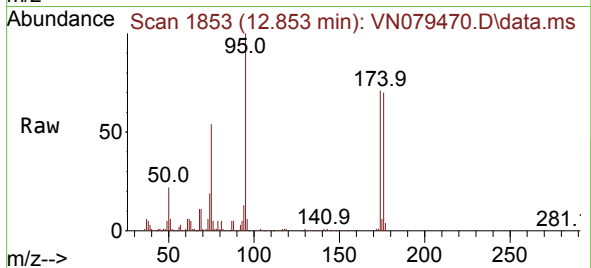




#62
4-Bromofluorobenzene
Concen: 50.102 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

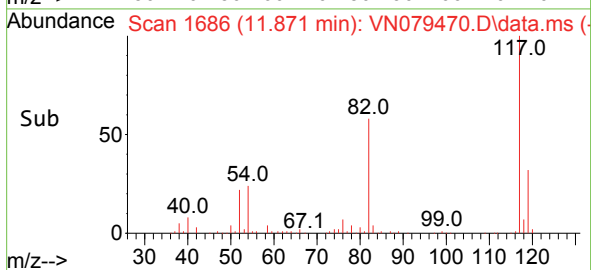
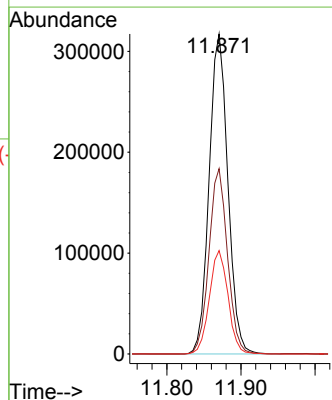
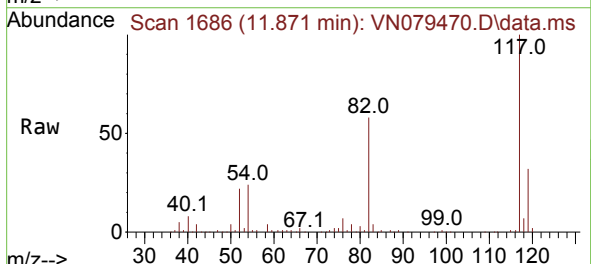
Instrument :
MSVOA_N
ClientSampleId :

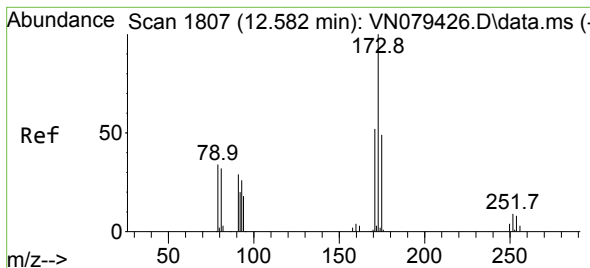
Tgt Ion: 95 Resp: 233128
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 117 Resp: 557603
Ion Ratio Lower Upper
117 100
82 57.9 44.0 66.0
119 32.3 25.6 38.4





#71

Bromoform

Concen: 0.621 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

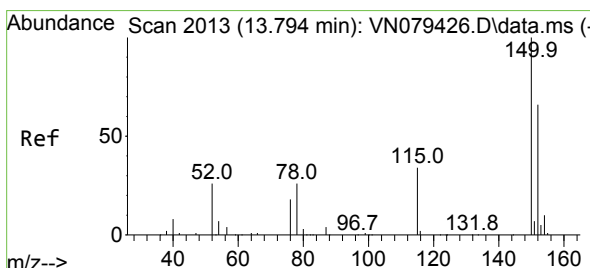
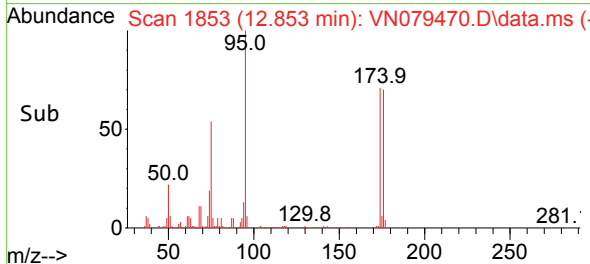
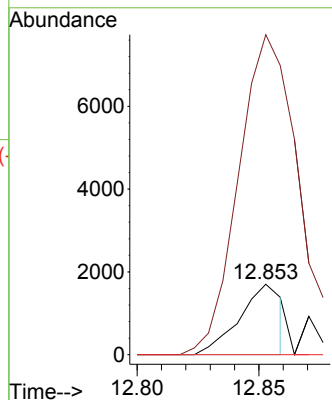
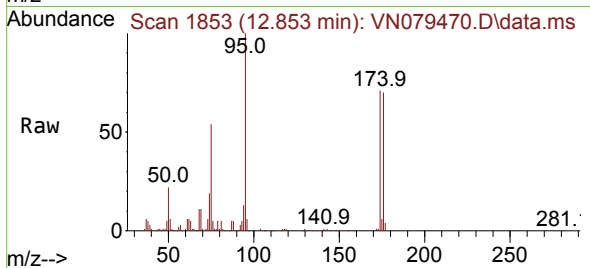
Tgt Ion:173 Resp: 2065

Ion Ratio Lower Upper

173 100

175 476.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079470.D

Acq: 09 Oct 2023 14:23

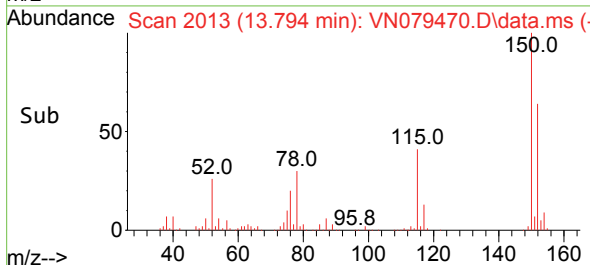
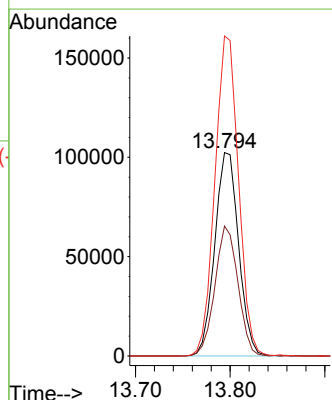
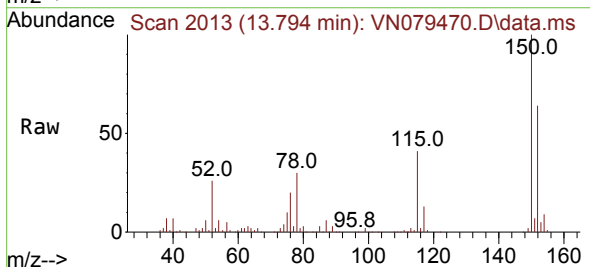
Tgt Ion:152 Resp: 179255

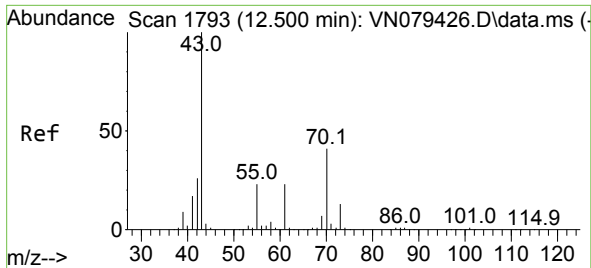
Ion Ratio Lower Upper

152 100

115 61.7 32.3 96.8

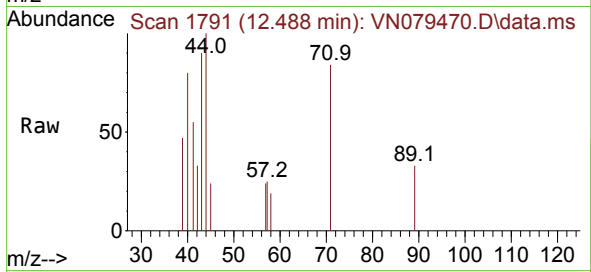
150 155.5 0.0 355.8



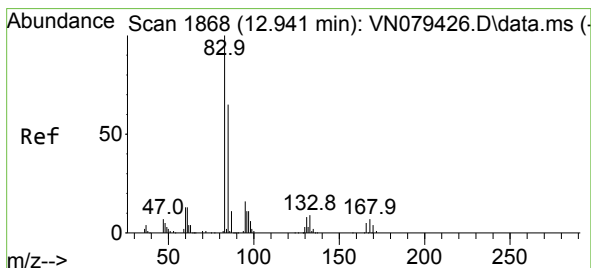
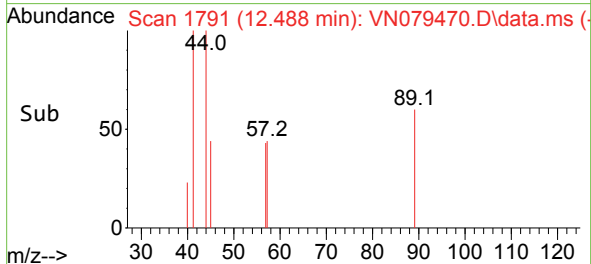
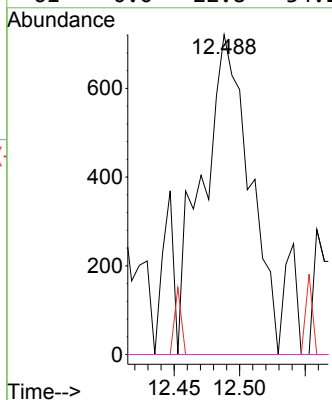


#74
N-amy1 acetate
Concen: 0.266 ug/l
RT: 12.488 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

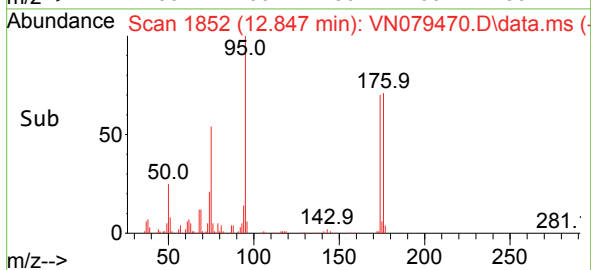
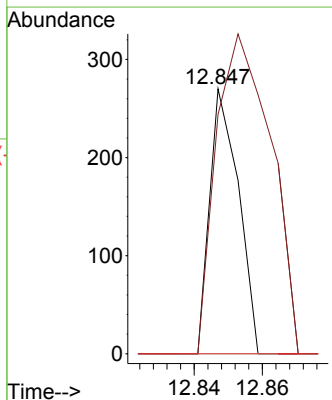
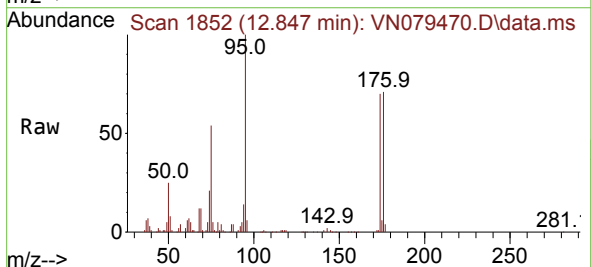


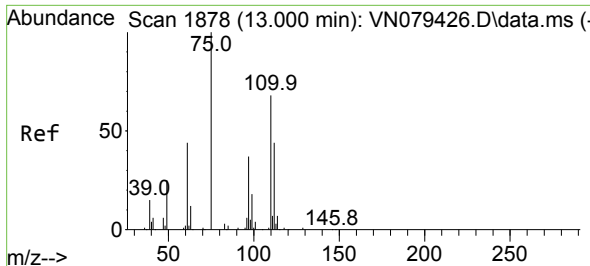
Tgt Ion: 43	Resp:	1817
Ion	Ratio	Lower Upper
43	100	
70	0.0	43.4 65.2#
55	0.0	21.4 32.0#
61	0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1852
Delta R.T. -0.094 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 83	Resp:	158
Ion	Ratio	Lower Upper
83	100	
131	229.7	5.0 15.0#
85	0.0	31.9 95.7#

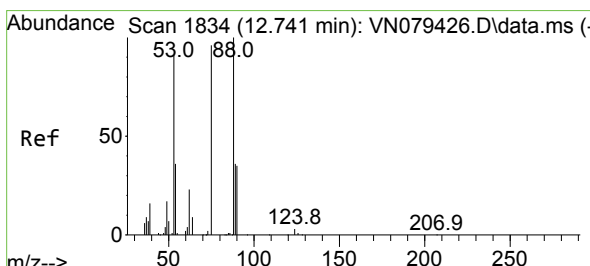
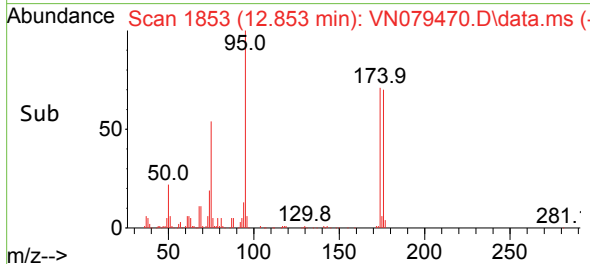
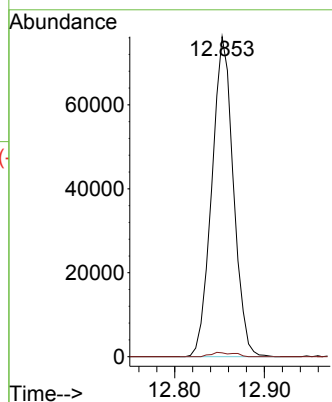
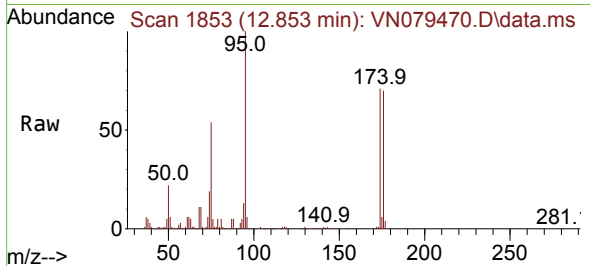




#76
1,2,3-Trichloropropane
Concen: 24.610 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 127196
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.408 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079470.D
Acq: 09 Oct 2023 14:23

Tgt Ion: 75 Resp: 127196
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

